



TANTALUM SOLID ELECTROLYTIC CHIP CAPACITOR

FEATURES

Operating temperature:-55°C+125°C
 Voltage:2.5V-100V
 Moisture sensitivity Level:3
 Temperature cycling:100%
 Accelerated steady state aging:100%
 Surge current tested:100%
 In-line reflow pass:100%
 Extremely low ESR
 Tin/Lead solder plated(4% Pb minimum)
 Performance equivalent to MIL-PRF-55365



APPLICATIONS

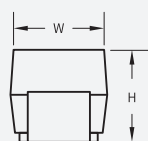
Typical applications include decoupling and filtering.

ORDERING INFORMATION

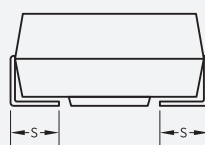
CAK55	-D	-35V	-22μF	-M
Series	Case Size	Rated Voltage	Capacitance	Capacitance Tolerance
Polymer Tantalum Solid Electrolytic Chip Capacitors	A B C D D1 E F Y H Z	2.5V 4V 6.3V 10V 16V 20V 25V 35V 50V 63V 75V 100V	Refer to Capacitance	M=±20%

DIMENSIONS

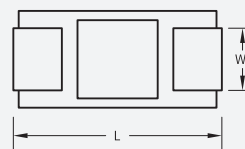
Unit:mm



End View



Side View



Bottom View

Case Size	L	W	H	S	W1
A	3.20±0.35	1.60±0.25	1.60±0.25	0.80±0.30	1.20±0.10
B	3.50±0.35	2.80±0.25	1.90±0.25	0.80±0.30	2.20±0.10
C	6.00±0.35	3.20±0.30	2.50±0.30	1.30±0.30	2.20±0.10
D	7.30±0.35	4.30±0.30	2.80±0.30	1.30±0.30	2.40±0.10
D1	7.30±0.35	4.30±0.30	2.00±0.30	1.30±0.30	2.40±0.10
E	7.30±0.35	4.30±0.30	4.10±0.30	1.30±0.30	2.80±0.10
F	7.50±0.35	6.10±0.30	3.80±0.30	1.30±0.30	3.80±0.10
Y	7.50±0.35	6.10±0.30	4.30±0.30	1.30±0.30	3.80±0.10
H	7.50±0.35	6.10±0.30	6.20±0.30	1.30±0.30	3.80±0.10
Z	8.50±0.35	12.00±0.30	8.20±0.30	2.00±0.30	8.00±0.10

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												ESR(mΩ) @100kHz 25°C
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
Rated voltage:2.5V Category Voltage:1.7V															
CAK55-D-2.5V-330μF-M	330	D	14	10	14	83	825	1031	1.826	1.643	0.730	-20~+10	-10~+30	-10~+50	45
CAK55-D1-2.5V-330μF-M	330	D1	14	10	14	83	825	1031	1.826	1.643	0.730	-20~+10	-10~+30	-10~+50	45
CAK55-D-2.5V-470μF-M	470	D	14	10	14	118	1175	1469	1.826	1.643	0.730	-20~+10	-10~+30	-10~+50	45
CAK55-D1-2.5V-470μF-M	470	D1	14	10	14	118	1175	1469	1.826	1.643	0.730	-20~+10	-10~+30	-10~+50	45
CAK55-E-2.5V-1000μF-M	1000	E	18	14	18	250	2500	3125	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CAK55-H-2.5V-1500μF-M	1500	H	22	18	22	375	3750	4688	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CAK55-Y-2.5V-1500μF-M	1500	Y	22	18	22	375	3750	4688	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CAK55-H-2.5V-2200μF-M	2200	H	22	18	22	550	5500	6875	2.928	2.635	1.171	-20~+10	-10~+30	-10~+50	35
CAK55-Z-2.5V-3300μF-M	3300	Z	26	22	26	825	8250	10313	6.325	5.692	2.530	-20~+10	-10~+30	-10~+50	25
Rated voltage:4V Category Voltage:2.7V															
CAK55-A-4V-22μF-M	22	A	10	6	10	9	88	110	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	600
CAK55-B-4V-22μF-M	22	B	10	6	10	9	88	110	0.376	0.339	0.151	-20~+10	-10~+30	-10~+50	600
CAK55-A-4V-33μF-M	33	A	10	6	10	13	132	165	0.387	0.349	0.155	-20~+10	-10~+30	-10~+50	500
CAK55-B-4V-33μF-M	33	B	10	6	10	13	132	165	0.412	0.371	0.165	-20~+10	-10~+30	-10~+50	500
CAK55-B-4V-47μF-M	47	B	10	6	10	19	188	235	0.652	0.587	0.261	-20~+10	-10~+30	-10~+50	200
CAK55-B-4V-68μF-M	68	B	10	6	10	27	272	340	0.922	0.830	0.369	-20~+10	-10~+30	-10~+50	100
CAK55-C-4V-68μF-M	68	C	10	6	10	27	272	340	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CAK55-C-4V-100μF-M	100	C	14	10	14	40	400	500	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CAK55-C-4V-150μF-M	150	C	14	10	14	60	600	750	1.173	1.055	0.469	-20~+10	-10~+30	-10~+50	80
CAK55-C-4V-220μF-M	220	C	14	10	14	88	880	1100	1.254	1.128	0.501	-20~+10	-10~+30	-10~+50	70
CAK55-D-4V-220μF-M	220	D	14	10	14	88	880	1100	1.464	1.317	0.586	-20~+10	-10~+30	-10~+50	70
CAK55-D1-4V-220μF-M	220	D1	14	10	14	88	880	1100	1.464	1.317	0.586	-20~+10	-10~+30	-10~+50	70
CAK55-D-4V-330μF-M	330	D	14	10	14	132	1320	1650	1.651	1.486	0.661	-20~+10	-10~+30	-10~+50	55
CAK55-D1-4V-330μF-M	330	D1	14	10	14	132	1320	1650	1.651	1.486	0.661	-20~+10	-10~+30	-10~+50	55
CAK55-E-4V-330μF-M	330	E	14	10	14	132	1320	1650	1.784	1.605	0.714	-20~+10	-10~+30	-10~+50	55
CAK55-D-4V-470μF-M	470	D	14	10	14	188	1880	2350	1.826	1.634	0.730	-20~+10	-10~+30	-10~+50	45
CAK55-E-4V-470μF-M	470	E	14	10	14	188	1880	2350	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CAK55-E-4V-680μF-M	680	E	18	14	18	272	2720	3400	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CAK55-F-4V-1000μF-M	1000	F	18	14	18	400	4000	5000	2.000	1.800	0.800	-20~+10	-10~+30	-10~+50	45
CAK55-Y-4V-1000μF-M	1000	Y	18	14	18	400	4000	5000	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CAK55-H-4V-1500μF-M	1500	H	22	18	22	600	6000	7500	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CAK55-Y-4V-1500μF-M	1500	Y	22	18	22	600	6000	7500	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CAK55-H-4V-2200μF-M	2200	H	22	18	22	880	8800	11000	2.928	2.635	1.171	-20~+10	-10~+30	-10~+50	35
CAK55-Z-4V-2200μF-M	2200	Z	22	18	22	880	8800	11000	5.345	4.811	2.138	-20~+10	-10~+30	-10~+50	35
CAK55-Z-4V-3300μF-M	3300	Z	26	22	26	1320	13200	16500	6.325	5.692	2.530	-20~+10	-10~+30	-10~+50	25
Rated voltage:6.3V Category Voltage:4V															
CAK55-A-6.3V-6.8μF-M	6.8	A	10	6	10	5	50	63	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CAK55-A-6.3V-10μF-M	10	A	10	6	10	6	63	79	0.387	0.349	0.155	-20~+10	-10~+30	-10~+50	500
CAK55-B-6.3V-10μF-M	10	B	10	6	10	6	63	79	0.412	0.371	0.165	-20~+10	-10~+30	-10~+50	500
CAK55-A-6.3V-15μF-M	15	A	10	6	10	9	95	118	0.387	0.349	0.155	-20~+10	-10~+30	-10~+50	500
CAK55-B-6.3V-15μF-M	15	B	10	6	10	9	95	118	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			ESR(mΩ) @100kHz 25°C
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
CAK55-A-6.3V-22μF-M	22	A	10	6	10	14	139	173	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	600
CAK55-B-6.3V-22μF-M	22	B	10	6	10	14	139	173	0.412	0.371	0.165	-20~+10	-10~+30	-10~+50	500
CAK55-B-6.3V-33μF-M	33	B	10	6	10	21	208	260	0.652	0.587	0.261	-20~+10	-10~+30	-10~+50	200
CAK55-B-6.3V-47μF-M	47	B	10	6	10	30	296	370	0.652	0.587	0.261	-20~+10	-10~+30	-10~+50	200
CAK55-C-6.3V-47μF-M	47	C	10	6	10	30	296	370	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CAK55-C-6.3V-68μF-M	68	C	10	10	10	43	428	536	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CAK55-C-6.3V-100μF-M	100	C	14	10	14	63	630	788	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CAK55-C-6.3V-150μF-M	150	C	14	10	14	95	945	1181	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CAK55-D-6.3V-150μF-M	150	D	14	10	14	95	945	1181	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-D1-6.3V-150μF-M	150	D1	14	10	14	95	945	1181	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-D-6.3V-220μF-M	220	D	14	10	14	139	1386	1733	1.464	1.317	0.586	-20~+10	-10~+30	-10~+50	70
CAK55-D1-6.3V-220μF-M	220	D1	14	10	14	139	1386	1733	1.464	1.317	0.586	-20~+10	-10~+30	-10~+50	70
CAK55-D-6.3V-330μF-M	330	D	14	10	14	208	2079	2599	1.651	1.486	0.661	-20~+10	-10~+30	-10~+50	55
CAK55-E-6.3V-330μF-M	330	E	14	10	14	208	2079	2599	1.784	1.605	0.714	-20~+10	-10~+30	-10~+50	55
CAK55-E-6.3V-470μF-M	470	E	14	14	14	296	2961	3701	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CAK55-F-6.3V-680μF-M	680	F	18	14	18	428	4284	5355	2.000	1.800	0.800	-20~+10	-10~+30	-10~+50	45
CAK55-H-6.3V-1000μF-M	1000	H	18	14	18	630	6300	7875	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CAK55-Y-6.3V-1000μF-M	1000	Y	18	18	18	630	6300	7875	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CAK55-H-6.3V-1500μF-M	1500	H	22	18	22	945	9450	11813	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CAK55-Z-6.3V-2200μF-M	2200	Z	22	18	22	1386	13860	17325	5.345	4.811	2.138	-20~+10	-10~+30	-10~+50	35
Rated voltage:10V Category Voltage:7V															
CAK55-A-10V-4.7μF-M	4.7	A	10	6	10	5	50	63	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CAK55-A-10V-6.8μF-M	6.8	A	10	6	10	7	68	85	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CAK55-B-10V-6.8μF-M	6.8	B	10	6	10	7	68	85	0.412	0.371	0.165	-20~+10	-10~+30	-10~+50	500
CAK55-A-10V-10μF-M	10	A	10	6	10	10	100	125	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	300
CAK55-B-10V-10μF-M	10	B	10	6	10	10	100	125	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CAK55-A-10V-15μF-M	15	A	10	6	10	15	150	188	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	300
CAK55-B-10V-15μF-M	15	B	10	6	10	15	150	188	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CAK55-C-10V-15μF-M	15	C	10	6	10	15	150	188	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CAK55-B-10V-22μF-M	22	B	10	6	10	22	220	275	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CAK55-C-10V-22μF-M	22	C	10	6	10	22	220	275	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CAK55-B-10V-33μF-M	33	B	10	6	10	33	330	413	0.652	0.587	0.261	-20~+10	-10~+30	-10~+50	200
CAK55-C-10V-33μF-M	33	C	10	6	10	33	330	413	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CAK55-C-10V-47μF-M	47	C	10	6	10	47	470	588	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CAK55-D-10V-47μF-M	47	D	10	6	10	47	470	588	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-C-10V-68μF-M	68	C	10	6	10	68	680	850	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CAK55-D-10V-68μF-M	68	D	10	6	10	68	680	850	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-D1-10V-68μF-M	68	D1	10	6	10	68	680	850	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-C-10V-100μF-M	100	C	14	10	14	100	1000	1250	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CAK55-D-10V-100μF-M	100	D	14	10	14	100	1000	1250	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-D1-10V-100μF-M	100	D1	14	10	14	100	1000	1250	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			ESR(mΩ) @100kHz 25°C
-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C				
CAK55-D-10V-150μF-M	150	D	14	10	14	150	1500	1875	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-D1-10V-150μF-M	150	D1	14	10	14	150	1500	1875	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-E-10V-150μF-M	150	E	14	10	14	150	1500	1875	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CAK55-D-10V-220μF-M	220	D	14	10	14	220	2200	2750	1.464	1.317	0.586	-20~+10	-10~+30	-10~+50	70
CAK55-E-10V-220μF-M	220	E	14	10	14	220	2200	2750	1.581	1.423	0.632	-20~+10	-10~+30	-10~+50	70
CAK55-E-10V-330μF-M	330	E	14	10	14	330	3300	4125	1.784	1.605	0.714	-20~+10	-10~+30	-10~+50	55
CAK55-F-10V-330μF-M	330	F	14	10	14	330	3300	4125	1.809	1.628	0.724	-20~+10	-10~+30	-10~+50	55
CAK55-F-10V-470μF-M	470	F	14	10	14	470	4700	5875	2.000	1.800	0.800	-20~+10	-10~+30	-10~+50	45
CAK55-H-10V-680μF-M	680	H	18	14	18	680	6800	8500	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CAK55-Y-10V-680μF-M	680	Y	18	14	18	680	6800	8500	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CAK55-H-10V-1000μF-M	1000	H	18	14	18	1000	10000	12500	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CAK55-Z-10V-1500μF-M	1500	Z	22	18	22	1500	15000	18750	4.714	4.243	1.886	-20~+10	-10~+30	-10~+50	45
Rated voltage:16V Category Voltage:10V															
CAK55-A-16V-4.7μF-M	4.7	A	10	6	10	8	75	94	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	600
CAK55-A-16V-6.8μF-M	6.8	A	10	6	10	11	109	136	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	600
CAK55-B-16V-6.8μF-M	6.8	B	10	6	10	11	109	136	0.376	0.339	0.151	-20~+10	-10~+30	-10~+50	600
CAK55-A-16V-10μF-M	10	A	10	6	10	16	160	200	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	300
CAK55-B-16V-10μF-M	10	B	10	6	10	16	160	200	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CAK55-B-16V-15μF-M	15	B	10	6	10	24	240	300	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CAK55-C-16V-15μF-M	15	C	10	6	10	24	240	300	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CAK55-B-16V-22μF-M	22	B	10	6	10	35	352	440	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CAK55-C-16V-22μF-M	22	C	10	6	10	35	352	440	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CAK55-C-16V-33μF-M	33	C	10	6	10	53	528	660	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CAK55-C-16V-47μF-M	47	C	10	6	10	75	752	940	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CAK55-D-16V-47μF-M	47	D	10	6	10	75	752	940	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-D1-16V-47μF-M	47	D1	10	6	10	75	752	940	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-C-16V-68μF-M	68	C	10	6	10	109	1088	1360	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CAK55-D-16V-68μF-M	68	D	10	6	10	109	1088	1360	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-D1-16V-68μF-M	68	D1	10	6	10	109	1088	1360	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-D-16V-100μF-M	100	D	14	10	14	160	1600	2000	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-D1-16V-100μF-M	100	D1	14	10	14	160	1600	2000	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-E-16V-100μF-M	100	E	14	10	14	160	1600	2000	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CAK55-D-16V-150μF-M	150	D	14	10	14	240	2400	3000	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-E-16V-150μF-M	150	E	14	10	14	240	2400	3000	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CAK55-E-16V-220μF-M	220	E	14	10	14	352	3520	4400	1.581	1.423	0.632	-20~+10	-10~+30	-10~+50	70
CAK55-H-16V-330μF-M	330	H	14	10	14	528	5280	6600	2.335	2.102	0.934	-20~+10	-10~+30	-10~+50	55
CAK55-Y-16V-330μF-M	330	Y	14	10	14	528	5280	6600	1.907	1.716	0.763	-20~+10	-10~+30	-10~+50	55
CAK55-H-16V-470μF-M	470	H	14	10	14	752	7520	9400	2.449	2.205	0.980	-20~+10	-10~+30	-10~+50	50
CAK55-Z-16V-680μF-M	680	Z	18	14	18	1088	10880	13600	4.714	4.243	1.886	-20~+10	-10~+30	-10~+50	45

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												ESR(mΩ) @100kHz 25°C
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
Rated voltage:20V Category Voltage:13V															
CAK55-A-20V-2.2μF-M	2.2	A	10	6	10	4	44	55	0.194	0.174	0.077	-20~+10	-10~+30	-10~+50	2000
CAK55-A-20V-3.3μF-M	3.3	A	10	6	10	7	66	83	0.204	0.184	0.082	-20~+10	-10~+30	-10~+50	1800
CAK55-A-20V-4.7μF-M	4.7	A	10	6	10	9	94	118	0.224	0.201	0.089	-20~+10	-10~+30	-10~+50	1500
CAK55-B-20V-4.7μF-M	4.7	B	10	6	10	9	94	118	0.326	0.293	0.130	-20~+10	-10~+30	-10~+50	800
CAK55-A-20V-6.8μF-M	6.8	A	10	6	10	14	136	170	0.274	0.246	0.110	-20~+10	-10~+30	-10~+50	1000
CAK55-B-20V-6.8μF-M	6.8	B	10	6	10	14	136	170	0.376	0.339	0.151	-20~+10	-10~+30	-10~+50	600
CAK55-B-20V-10μF-M	10	B	10	6	10	20	200	250	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CAK55-C-20V-10μF-M	10	C	10	6	10	20	200	250	0.606	0.545	0.242	-20~+10	-10~+30	-10~+50	300
CAK55-B-20V-15μF-M	15	B	10	6	10	30	300	375	0.583	0.525	0.233	-20~+10	-10~+30	-10~+50	250
CAK55-C-20V-15μF-M	15	C	10	6	10	30	300	375	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CAK55-C-20V-22μF-M	22	C	10	6	10	44	440	550	0.782	0.704	0.313	-20~+10	-10~+30	-10~+50	180
CAK55-D-20V-22μF-M	22	D	10	6	10	44	440	550	0.913	0.822	0.365	-20~+10	-10~+30	-10~+50	180
CAK55-D1-20V-22μF-M	22	D1	10	6	10	44	440	550	0.913	0.822	0.365	-20~+10	-10~+30	-10~+50	180
CAK55-C-20V-33μF-M	33	C	10	6	10	66	660	825	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CAK55-D-20V-33μF-M	33	D	10	6	10	66	660	825	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CAK55-D1-20V-33μF-M	33	D1	10	6	10	66	660	825	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CAK55-D-20V-47μF-M	47	D	10	6	10	94	940	1175	1.118	1.006	0.447	-20~+10	-10~+30	-10~+50	120
CAK55-D1-20V-47μF-M	47	D1	10	6	10	94	940	1175	1.118	1.006	0.447	-20~+10	-10~+30	-10~+50	120
CAK55-D-20V-68μF-M	68	D	10	6	10	136	1360	1700	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-D1-20V-68μF-M	68	D1	10	6	10	136	1360	1700	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-E-20V-68μF-M	68	E	10	6	10	136	1360	1700	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CAK55-E-20V-100μF-M	100	E	14	10	14	200	2000	2500	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CAK55-E-20V-150μF-M	150	E	14	10	14	300	3000	3750	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CAK55-F-20V-150μF-M	150	F	14	10	14	300	3000	3750	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CAK55-F-20V-220μF-M	220	F	14	10	14	440	4400	5500	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CAK55-H-20V-220μF-M	220	H	14	10	14	440	4400	5500	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CAK55-Y-20V-220μF-M	220	Y	14	10	14	440	4400	5500	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CAK55-H-20V-330μF-M	330	H	14	10	14	660	6600	8250	2.236	2.012	0.894	-20~+10	-10~+30	-10~+50	60
CAK55-Z-20V-470μF-M	470	Z	14	10	14	940	9400	11750	4.082	3.674	1.633	-20~+10	-10~+30	-10~+50	60
Rated voltage:25V Category Voltage:17V															
CAK55-A-25V-1.5μF-M	1.5	A	10	6	10	4	38	47	0.274	0.246	0.110	-20~+10	-10~+30	-10~+50	1000
CAK55-A-25V-2.2μF-M	2.2	A	10	6	10	6	55	69	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CAK55-A-25V-3.3μF-M	3.3	A	10	6	10	8	83	103	0.217	0.195	0.087	-20~+10	-10~+30	-10~+50	1600
CAK55-A-25V-4.7μF-M	4.7	A	10	6	10	12	118	147	0.217	0.195	0.087	-20~+10	-10~+30	-10~+50	1600
CAK55-B-25V-4.7μF-M	4.7	B	10	6	10	12	118	147	0.326	0.293	0.130	-20~+10	-10~+30	-10~+50	800
CAK55-B-25V-6.8μF-M	6.8	B	10	6	10	17	170	213	0.376	0.339	0.151	-20~+10	-10~+30	-10~+50	600
CAK55-C-25V-6.8μF-M	6.8	C	10	6	10	17	170	213	0.428	0.385	0.171	-20~+10	-10~+30	-10~+50	600
CAK55-B-25V-10μF-M	10	B	10	6	10	25	250	313	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CAK55-C-25V-10μF-M	10	C	10	6	10	25	250	313	0.606	0.545	0.242	-20~+10	-10~+30	-10~+50	300
CAK55-C-25V-15μF-M	15	C	10	6	10	38	375	469	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												ESR(mΩ) @100kHz 25°C
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
CAK55-C-25V-22μF-M	22	C	10	6	10	55	550	688	0.782	0.704	0.313	-20~+10	-10~+30	-10~+50	180
CAK55-D-25V-22μF-M	22	D	10	6	10	55	550	688	0.913	0.822	0.365	-20~+10	-10~+30	-10~+50	180
CAK55-D1-25V-22μF-M	22	D1	10	6	10	55	550	688	0.913	0.822	0.365	-20~+10	-10~+30	-10~+50	180
CAK55-C-25V-33μF-M	33	C	10	6	10	83	825	1031	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CAK55-D-25V-33μF-M	33	D	10	6	10	83	825	1031	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CAK55-D1-25V-33μF-M	33	D1	10	6	10	83	825	1031	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CAK55-E-25V-33μF-M	33	E	10	6	10	83	825	1031	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CAK55-D-25V-47μF-M	47	D	10	6	10	118	1175	1469	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CAK55-D1-25V-47μF-M	47	D1	10	6	10	118	1175	1469	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CAK55-E-25V-47μF-M	47	E	10	6	10	118	1175	1469	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CAK55-D-25V-68μF-M	68	D	10	6	10	170	1700	2125	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CAK55-E-25V-68μF-M	68	E	10	6	10	170	1700	2125	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CAK55-E-25V-100μF-M	100	E	14	10	14	250	2500	3125	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CAK55-F-25V-100μF-M	100	F	14	10	14	250	2500	3125	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CAK55-Y-25V-100μF-M	100	Y	14	10	14	250	2500	3125	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CAK55-F-25V-150μF-M	150	F	14	10	14	375	3750	4688	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CAK55-H-25V-150μF-M	150	H	14	10	14	375	3750	4688	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CAK55-Y-25V-150μF-M	150	Y	14	10	14	375	3750	4688	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CAK55-H-25V-220μF-M	220	H	14	10	14	550	5500	6875	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CAK55-Y-25V-220μF-M	220	Y	14	10	14	550	5500	6875	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CAK55-H-25V-330μF-M	330	H	14	10	14	825	8250	10313	2.236	2.012	0.894	-20~+10	-10~+30	-10~+50	60
CAK55-Z-25V-330μF-M	330	Z	14	10	14	825	8250	10313	4.082	3.674	1.633	-20~+10	-10~+30	-10~+50	60
CAK55-Z-25V-470μF-M	470	Z	14	10	14	1175	11750	14688	4.082	3.674	1.633	-20~+10	-10~+30	-10~+50	60
Rated voltage:35V Category Voltage:23V															
CAK55-A-35V-1μF-M	1	A	10	6	10	5	50	63	0.158	0.142	0.063	-20~+10	-10~+30	-10~+50	3000
CAK55-A-35V-1.5μF-M	1.5	A	10	6	10	5	53	66	0.173	0.156	0.069	-20~+10	-10~+30	-10~+50	2500
CAK55-B-35V-1.5μF-M	1.5	B	10	6	10	5	53	66	0.184	0.166	0.074	-20~+10	-10~+30	-10~+50	2500
CAK55-A-35V-2.2μF-M	2.2	A	10	6	10	8	77	96	0.217	0.195	0.087	-20~+10	-10~+30	-10~+50	1600
CAK55-B-35V-2.2μF-M	2.2	B	10	6	10	8	77	96	0.230	0.207	0.092	-20~+10	-10~+30	-10~+50	1600
CAK55-B-35V-3.3μF-M	3.3	B	10	6	10	12	116	144	0.230	0.207	0.092	-20~+10	-10~+30	-10~+50	1600
CAK55-B-35V-4.7μF-M	4.7	B	10	6	10	16	165	206	0.412	0.371	0.165	-20~+10	-10~+30	-10~+50	500
CAK55-C-35V-4.7μF-M	4.7	C	10	6	10	16	165	206	0.371	0.334	0.148	-20~+10	-10~+30	-10~+50	800
CAK55-C-35V-6.8μF-M	6.8	C	10	6	10	24	238	298	0.428	0.385	0.171	-20~+10	-10~+30	-10~+50	600
CAK55-C-35V-10μF-M	10	C	10	6	10	35	350	438	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CAK55-D-35V-10μF-M	10	D	10	6	10	35	350	438	0.866	0.779	0.346	-20~+10	-10~+30	-10~+50	200
CAK55-D1-35V-10μF-M	10	D1	10	6	10	35	350	438	0.866	0.779	0.346	-20~+10	-10~+30	-10~+50	200
CAK55-C-35V-15μF-M	15	C	10	6	10	53	525	656	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CAK55-D-35V-15μF-M	15	D	10	6	10	53	525	656	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CAK55-D1-35V-15μF-M	15	D1	10	6	10	53	525	656	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CAK55-E-35V-15μF-M	15	E	10	6	10	53	525	656	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CAK55-D-35V-22μF-M	22	D	10	6	10	77	770	963	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CAK55-D1-35V-22μF-M	22	D1	10	6	10	77	770	963	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			ESR(mΩ) @100kHz 25°C
-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C				
CAK55-E-35V-22μF-M	22	E	10	6	10	77	770	963	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CAK55-D-35V-33μF-M	33	D	10	6	10	116	1155	1444	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CAK55-E-35V-33μF-M	33	E	10	6	10	116	1155	1444	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CAK55-F-35V-33μF-M	33	F	10	6	10	116	1155	1444	1.095	0.986	0.438	-20~+10	-10~+30	-10~+50	150
CAK55-E-35V-47μF-M	47	E	10	6	10	165	1645	2056	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CAK55-F-35V-47μF-M	47	F	10	6	10	165	1645	2056	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CAK55-Y-35V-47μF-M	47	Y	10	6	10	165	1645	2056	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CAK55-E-35V-68μF-M	68	E	10	6	10	238	2380	2975	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CAK55-F-35V-68μF-M	68	F	10	6	10	238	2380	2975	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CAK55-H-35V-68μF-M	68	H	10	6	10	238	2380	2975	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CAK55-Y-35V-68μF-M	68	Y	10	6	10	238	2380	2975	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CAK55-H-35V-100μF-M	100	H	14	10	14	350	3500	4375	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CAK55-Y-35V-100μF-M	100	Y	14	10	14	350	3500	4375	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CAK55-H-35V-150μF-M	150	H	14	10	14	525	5250	6563	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CAK55-Z-35V-220μF-M	220	Z	14	10	14	770	7700	9625	3.162	2.846	1.265	-20~+10	-10~+30	-10~+50	100
Rated voltage:50V Category Voltage:33V															
CAK55-A-50V-0.68μF-M	0.68	A	10	6	10	3	34	43	0.173	0.156	0.069	-20~+10	-10~+30	-10~+50	2500
CAK55-B-50V-1μF-M	1	B	10	6	10	5	50	63	0.184	0.166	0.074	-20~+10	-10~+30	-10~+50	2500
CAK55-B-50V-1.5μF-M	1.5	B	10	6	10	8	75	94	0.206	0.186	0.082	-20~+10	-10~+30	-10~+50	2000
CAK55-C-50V-1.5μF-M	1.5	C	10	6	10	8	75	94	0.235	0.211	0.094	-20~+10	-10~+30	-10~+50	2000
CAK55-C-50V-2.2μF-M	2.2	C	10	6	10	11	110	138	0.291	0.262	0.116	-20~+10	-10~+30	-10~+50	1300
CAK55-C-50V-3.3μF-M	3.3	C	10	6	10	17	165	206	0.303	0.272	0.121	-20~+10	-10~+30	-10~+50	1200
CAK55-D-50V-3.3μF-M	3.3	D	10	6	10	17	165	206	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	1200
CAK55-D1-50V-3.3μF-M	3.3	D1	10	6	10	17	165	206	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	1200
CAK55-C-50V-4.7μF-M	4.7	C	10	6	10	24	235	294	0.371	0.334	0.148	-20~+10	-10~+30	-10~+50	800
CAK55-D-50V-4.7μF-M	4.7	D	10	6	10	24	235	294	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CAK55-D1-50V-4.7μF-M	4.7	D1	10	6	10	24	235	294	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CAK55-D-50V-6.8μF-M	6.8	D	10	6	10	34	340	425	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	600
CAK55-D1-50V-6.8μF-M	6.8	D1	10	6	10	34	340	425	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	600
CAK55-D-50V-10μF-M	10	D	10	6	10	50	500	625	0.866	0.779	0.346	-20~+10	-10~+30	-10~+50	200
CAK55-E-50V-10μF-M	10	E	10	6	10	50	500	625	0.935	0.842	0.374	-20~+10	-10~+30	-10~+50	200
CAK55-E-50V-15μF-M	15	E	10	6	10	75	750	938	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CAK55-E-50V-22μF-M	22	E	10	6	10	110	1100	1375	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CAK55-F-50V-22μF-M	22	F	10	6	10	110	1100	1375	1.095	0.986	0.438	-20~+10	-10~+30	-10~+50	150
CAK55-Y-50V-22μF-M	22	Y	10	6	10	110	1100	1375	1.155	1.039	0.462	-20~+10	-10~+30	-10~+50	150
CAK55-H-50V-33μF-M	33	H	10	6	10	165	1650	2063	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	150
CAK55-Y-50V-33μF-M	33	Y	10	6	10	165	1650	2063	1.155	1.039	0.462	-20~+10	-10~+30	-10~+50	150
CAK55-H-50V-47μF-M	47	H	10	6	10	235	2350	2938	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												ESR(mΩ) @100kHz 25°C
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
Rated voltage:63V Category Voltage:45V															
CAK55-C-63V-1μF-M	1	C	10	6	10	6	63	79	0.235	0.211	0.094	-20~+10	-10~+30	-10~+50	2000
CAK55-C-63V-1.5μF-M	1.5	C	10	6	10	9	95	118	0.235	0.211	0.094	-20~+10	-10~+30	-10~+50	2000
CAK55-C-63V-2.2μF-M	2.2	C	10	6	10	14	139	173	0.291	0.262	0.116	-20~+10	-10~+30	-10~+50	1300
CAK55-D-63V-2.2μF-M	2.2	D	10	6	10	14	139	173	0.340	0.306	0.136	-20~+10	-10~+30	-10~+50	1300
CAK55-D1-63V-2.2μF-M	2.2	D1	10	6	10	14	139	173	0.340	0.306	0.136	-20~+10	-10~+30	-10~+50	1300
CAK55-C-63V-3.3μF-M	3.3	C	10	6	10	21	208	260	0.303	0.272	0.121	-20~+10	-10~+30	-10~+50	1200
CAK55-D-63V-3.3μF-M	3.3	D	10	6	10	21	208	260	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	1200
CAK55-D1-63V-3.3μF-M	3.3	D1	10	6	10	21	208	260	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	1200
CAK55-D-63V-4.7μF-M	4.7	D	10	6	10	30	296	370	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CAK55-D-63V-6.8μF-M	6.8	D	10	6	10	43	428	536	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	600
CAK55-E-63V-6.8μF-M	6.8	E	10	6	10	43	428	536	0.540	0.486	0.216	-20~+10	-10~+30	-10~+50	600
CAK55-E-63V-10μF-M	10	E	10	6	10	63	630	788	0.935	0.842	0.374	-20~+10	-10~+30	-10~+50	200
CAK55-F-63V-15μF-M	15	F	10	6	10	95	945	1181	1.095	0.986	0.438	-20~+10	-10~+30	-10~+50	150
CAK55-Z-63V-68μF-M	68	Z	10	6	10	428	4284	5355	3.162	2.846	1.265	-20~+10	-10~+30	-10~+50	100
Rated voltage:75V Category Voltage:53V															
CAK55-C-75V-1μF-M	1	C	10	6	10	8	75	94	0.235	0.211	0.094	-20~+10	-10~+30	-10~+50	2000
CAK55-C-75V-1.5μF-M	1.5	C	10	6	10	11	113	141	0.235	0.211	0.094	-20~+10	-10~+30	-10~+50	2000
CAK55-D-75V-2.2μF-M	2.2	D	10	6	10	17	165	206	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CAK55-D-75V-3.3μF-M	3.3	D	10	6	10	25	248	309	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CAK55-D-75V-4.7μF-M	4.7	D	10	6	10	35	353	441	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	600
CAK55-E-75V-4.7μF-M	4.7	E	10	6	10	35	353	441	0.540	0.486	0.216	-20~+10	-10~+30	-10~+50	600
CAK55-F-75V-6.8μF-M	6.8	F	10	6	10	51	510	638	0.548	0.493	0.219	-20~+10	-10~+30	-10~+50	600
CAK55-F-75V-10μF-M	10	F	10	6	10	75	750	938	0.671	0.604	0.268	-20~+10	-10~+30	-10~+50	400
CAK55-Y-75V-10μF-M	10	Y	10	6	10	75	750	938	0.707	0.636	0.283	-20~+10	-10~+30	-10~+50	400
CAK55-Y-75V-15μF-M	15	Y	10	6	10	113	1125	1406	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	200
CAK55-H-75V-22μF-M	22	H	10	6	10	165	1650	2063	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	200
Rated voltage:100V Category Voltage:70V															
CAK55-D-100V-1μF-M	1	D	10	6	10	10	100	125	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CAK55-D-100V-1.5μF-M	1.5	D	10	6	10	15	150	188	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CAK55-E-100V-2.2μF-M	2.2	E	10	6	10	22	220	275	0.540	0.486	0.216	-20~+10	-10~+30	-10~+50	600
CAK55-F-100V-3.3μF-M	3.3	F	10	6	10	33	330	413	0.548	0.493	0.219	-20~+10	-10~+30	-10~+50	600
CAK55-Y-100V-4.7μF-M	4.7	Y	10	6	10	47	470	588	0.577	0.520	0.231	-20~+10	-10~+30	-10~+50	600
CAK55-Y-100V-6.8μF-M	6.8	Y	10	6	10	68	680	850	0.707	0.636	0.283	-20~+10	-10~+30	-10~+50	400
CAK55-H-100V-10μF-M	10	H	10	6	10	100	1000	1250	0.866	0.779	0.346	-20~+10	-10~+30	-10~+50	400

MEASUREMENT CONDITIONS

- a) Capacitance and DF are measured at 100Hz, 1V RMS with DC bias of 2.2V.
- b) Leakage Current is measured at rated voltage after 3 minutes, protective resistance of 1000Ω is connected in series with the capacitor in the measuring circuit.

SOLDERING

Case Size	A B C D D1 E	F Y H Z
Soldering Method	Reflow or Hand Soldering	Only Hand Soldering

FEATURES

Operating temperature:-55°C+125°C
 Voltage:2.5V-100V
 Moisture sensitivity Level:3
 Temperature cycling:100%
 Accelerated steady state aging:100%
 Surge current tested:100%
 In-line reflow pass:100%
 Extremely low ESR
 Tin/Lead solder plated(4% Pb minimum)
 High frequency capacitance retention
 Non-ignition failure mode



APPLICATIONS

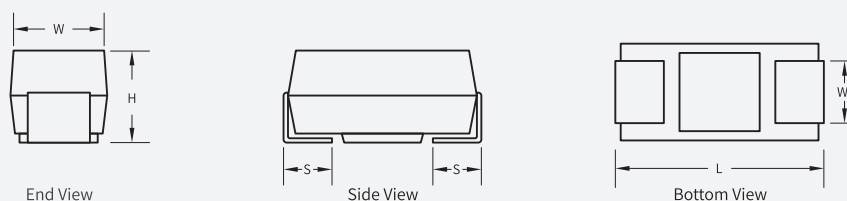
This series is designed for the COTS requirements, it's conditioned with MIL-PRF-55365 Group A testing, typical applications include decoupling and filtering.

ORDERING INFORMATION

(G)	CA55	-D	-35V	-22μF	-M
Quality Grade	Series	Case Size	Rated Voltage	Capacitance	Capacitance Tolerance
(G):(G)LEVEL "J": "J"LEVEL	Polymer Tantalum Solid Electrolytic Chip Capacitors	A B C D D1 E F Y H Z	2.5V 4V 6.3V 10V 16V 20V 25V 35V 50V 63V 75V 100V	Refer to Capacitance	M=±20%

DIMENSIONS

Unit:mm



Case Size	L	W	H	S	W1
A	3.20±0.35	1.60±0.25	1.60±0.25	0.80±0.30	1.20±0.10
B	3.50±0.35	2.80±0.25	1.90±0.25	0.80±0.30	2.20±0.10
C	6.00±0.35	3.20±0.30	2.50±0.30	1.30±0.30	2.20±0.10
D	7.30±0.35	4.30±0.30	2.80±0.30	1.30±0.30	2.40±0.10
D1	7.30±0.35	4.30±0.30	2.00±0.30	1.30±0.30	2.40±0.10
E	7.30±0.35	4.30±0.30	4.10±0.30	1.30±0.30	2.80±0.10
F	7.50±0.35	6.10±0.30	3.80±0.30	1.30±0.30	3.80±0.10
Y	7.50±0.35	6.10±0.30	4.30±0.30	1.30±0.30	3.80±0.10
H	7.50±0.35	6.10±0.30	6.20±0.30	1.30±0.30	3.80±0.10
Z	8.50±0.35	12.00±0.30	8.20±0.30	2.00±0.30	8.00±0.10

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			ESR(mΩ) @100kHz 25°C
-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C				
Rated voltage:2.5V Category Voltage:1.7V															
CA55-D-2.5V-330μF-M	330	D	14	10	14	83	825	1031	1.826	1.643	0.730	-20~+10	-10~+30	-10~+50	45
CA55-D1-2.5V-330μF-M	330	D1	14	10	14	83	825	1031	1.826	1.643	0.730	-20~+10	-10~+30	-10~+50	45
CA55-D-2.5V-470μF-M	470	D	14	10	14	118	1175	1469	1.826	1.643	0.730	-20~+10	-10~+30	-10~+50	45
CA55-D1-2.5V-470μF-M	470	D1	14	10	14	118	1175	1469	1.826	1.643	0.730	-20~+10	-10~+30	-10~+50	45
CA55-E-2.5V-1000μF-M	1000	E	18	14	18	250	2500	3125	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CA55-H-2.5V-1500μF-M	1500	H	22	18	22	375	3750	4688	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CA55-Y-2.5V-1500μF-M	1500	Y	22	18	22	375	3750	4688	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CA55-H-2.5V-2200μF-M	2200	H	22	18	22	550	5500	6875	2.928	2.635	1.171	-20~+10	-10~+30	-10~+50	35
CA55-Y-2.5V-2200μF-M	2200	Y	22	18	22	550	5500	6875	2.390	2.151	0.956	-20~+10	-10~+30	-10~+50	35
CA55-H-2.5V-3300μF-M	3300	H	26	22	26	825	8250	10313	3.464	3.118	1.386	-20~+10	-10~+30	-10~+50	25
CA55-Z-2.5V-3300μF-M	3300	Z	26	22	26	825	8250	10313	6.325	5.692	2.530	-20~+10	-10~+30	-10~+50	25
CA55-Z-2.5V-4700μF-M	4700	Z	26	22	26	1175	11750	14688	6.325	5.692	2.530	-20~+10	-10~+30	-10~+50	25
Rated voltage:4V Category Voltage:2.7V															
CA55-A-4V-22μF-M	22	A	10	6	10	9	88	110	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	600
CA55-B-4V-22μF-M	22	B	10	6	10	9	88	110	0.376	0.339	0.151	-20~+10	-10~+30	-10~+50	600
CA55-A-4V-33μF-M	33	A	10	6	10	13	132	165	0.387	0.349	0.155	-20~+10	-10~+30	-10~+50	500
CA55-B-4V-33μF-M	33	B	10	6	10	13	132	165	0.412	0.371	0.165	-20~+10	-10~+30	-10~+50	500
CA55-B-4V-47μF-M	47	B	10	6	10	19	188	235	0.652	0.587	0.261	-20~+10	-10~+30	-10~+50	200
CA55-B-4V-68μF-M	68	B	10	6	10	27	272	340	0.922	0.830	0.369	-20~+10	-10~+30	-10~+50	100
CA55-C-4V-68μF-M	68	C	10	6	10	27	272	340	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-C-4V-100μF-M	100	C	14	10	14	40	400	500	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-C-4V-150μF-M	150	C	14	10	14	60	600	750	1.173	1.055	0.469	-20~+10	-10~+30	-10~+50	80
CA55-C-4V-220μF-M	220	C	14	10	14	88	880	1100	1.254	1.128	0.501	-20~+10	-10~+30	-10~+50	70
CA55-D-4V-220μF-M	220	D	14	10	14	88	880	1100	1.464	1.317	0.586	-20~+10	-10~+30	-10~+50	70
CA55-D1-4V-220μF-M	220	D1	14	10	14	88	880	1100	1.464	1.317	0.586	-20~+10	-10~+30	-10~+50	70
CA55-C-4V-330μF-M	330	C	14	10	14	132	1320	1650	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	55
CA55-D-4V-330μF-M	330	D	14	10	14	132	1320	1650	1.651	1.486	0.661	-20~+10	-10~+30	-10~+50	55
CA55-D1-4V-330μF-M	330	D1	14	10	14	132	1320	1650	1.651	1.486	0.661	-20~+10	-10~+30	-10~+50	55
CA55-E-4V-330μF-M	330	E	14	10	14	132	1320	1650	1.784	1.605	0.714	-20~+10	-10~+30	-10~+50	55
CA55-E-4V-470μF-M	470	E	14	10	14	188	1880	2350	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CA55-E-4V-680μF-M	680	E	18	14	18	272	2720	3400	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CA55-E-4V-1000μF-M	1000	E	18	14	18	400	4000	5000	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CA55-F-4V-1000μF-M	1000	F	18	14	18	400	4000	5000	2.000	1.800	0.800	-20~+10	-10~+30	-10~+50	45
CA55-Y-4V-1000μF-M	1000	Y	18	14	18	400	4000	5000	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CA55-H-4V-1500μF-M	1500	H	22	18	22	600	6000	7500	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CA55-Y-4V-1500μF-M	1500	Y	22	18	22	600	6000	7500	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			ESR(mΩ) @100kHz 25°C
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
CA55-H-4V-2200μF-M	2200	H	22	18	22	880	8800	11000	2.928	2.635	1.171	-20~+10	-10~+30	-10~+50	35
CA55-Y-4V-2200μF-M	2200	Y	22	18	22	880	8800	11000	2.390	2.151	0.956	-20~+10	-10~+30	-10~+50	35
CA55-Z-4V-2200μF-M	2200	Z	22	18	22	880	8800	11000	5.345	4.811	2.138	-20~+10	-10~+30	-10~+50	35
CA55-H-4V-3300μF-M	3300	H	26	22	26	1320	13200	16500	3.464	3.118	1.386	-20~+10	-10~+30	-10~+50	25
CA55-Z-4V-3300μF-M	3300	Z	26	22	26	1320	13200	16500	6.325	5.692	2.530	-20~+10	-10~+30	-10~+50	25
CA55-Z-4V-4700μF-M	4700	Z	26	22	26	1880	18800	23500	6.325	5.692	2.530	-20~+10	-10~+30	-10~+50	25
Rated voltage:6.3V Category Voltage:4V															
CA55-A-6.3V-6.8μF-M	6.8	A	10	6	10	5	50	63	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CA55-A-6.3V-10μF-M	10	A	10	6	10	6	63	79	0.387	0.349	0.155	-20~+10	-10~+30	-10~+50	500
CA55-B-6.3V-10μF-M	10	B	10	6	10	6	63	79	0.412	0.371	0.165	-20~+10	-10~+30	-10~+50	500
CA55-A-6.3V-15μF-M	15	A	10	6	10	9	95	118	0.387	0.349	0.155	-20~+10	-10~+30	-10~+50	500
CA55-B-6.3V-15μF-M	15	B	10	6	10	9	95	118	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CA55-A-6.3V-22μF-M	22	A	10	6	10	14	139	173	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	600
CA55-B-6.3V-22μF-M	22	B	10	6	10	14	139	173	0.412	0.371	0.165	-20~+10	-10~+30	-10~+50	500
CA55-B-6.3V-33μF-M	33	B	10	6	10	21	208	260	0.652	0.587	0.261	-20~+10	-10~+30	-10~+50	200
CA55-B-6.3V-47μF-M	47	B	10	6	10	30	296	370	0.652	0.587	0.261	-20~+10	-10~+30	-10~+50	200
CA55-C-6.3V-47μF-M	47	C	10	6	10	30	296	370	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CA55-B-6.3V-68μF-M	68	B	10	6	10	43	428	536	0.652	0.587	0.261	-20~+10	-10~+30	-10~+50	200
CA55-C-6.3V-68μF-M	68	C	10	6	10	43	428	536	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-C-6.3V-100μF-M	100	C	14	10	14	63	630	788	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-C-6.3V-150μF-M	150	C	14	10	14	95	945	1181	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-D-6.3V-150μF-M	150	D	14	10	14	95	945	1181	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-D1-6.3V-150μF-M	150	D1	14	10	14	95	945	1181	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-C-6.3V-220μF-M	220	C	14	10	14	139	1386	1733	1.254	1.128	0.501	-20~+10	-10~+30	-10~+50	70
CA55-D-6.3V-220μF-M	220	D	14	10	14	139	1386	1733	1.464	1.317	0.586	-20~+10	-10~+30	-10~+50	70
CA55-D1-6.3V-220μF-M	220	D1	14	10	14	139	1386	1733	1.464	1.317	0.586	-20~+10	-10~+30	-10~+50	70
CA55-D-6.3V-330μF-M	330	D	14	10	14	208	2079	2599	1.651	1.486	0.661	-20~+10	-10~+30	-10~+50	55
CA55-E-6.3V-330μF-M	330	E	14	10	14	208	2079	2599	1.784	1.605	0.714	-20~+10	-10~+30	-10~+50	55
CA55-D-6.3V-470μF-M	470	D	14	10	14	296	2961	3701	1.826	1.643	0.730	-20~+10	-10~+30	-10~+50	45
CA55-E-6.3V-470μF-M	470	E	14	10	14	296	2961	3701	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CA55-E-6.3V-680μF-M	680	E	18	14	18	428	4284	5355	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CA55-F-6.3V-1000μF-M	1000	F	18	14	18	630	6300	7875	2.000	1.800	0.800	-20~+10	-10~+30	-10~+50	45
CA55-H-6.3V-1000μF-M	1000	H	18	14	18	630	6300	7875	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CA55-Y-6.3V-1000μF-M	1000	Y	18	14	18	630	6300	7875	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CA55-H-6.3V-1500μF-M	1500	H	22	18	22	945	9450	11813	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CA55-Y-6.3V-1500μF-M	1500	Y	22	18	22	945	9450	11813	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CA55-H-6.3V-2200μF-M	2200	H	22	18	22	1386	13860	17325	2.928	2.635	1.171	-20~+10	-10~+30	-10~+50	35
CA55-Z-6.3V-2200μF-M	2200	Z	22	18	22	1386	13860	17325	5.345	4.811	2.138	-20~+10	-10~+30	-10~+50	35
CA55-Z-6.3V-3300μF-M	3300	Z	26	22	26	2079	20790	25988	6.325	5.692	2.530	-20~+10	-10~+30	-10~+50	25

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												ESR(mΩ) @100kHz 25°C
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
Rated voltage:10V Category Voltage:7V															
CA55-A-10V-4.7μF-M	4.7	A	10	6	10	5	50	63	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CA55-A-10V-6.8μF-M	6.8	A	10	6	10	7	68	85	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CA55-B-10V-6.8μF-M	6.8	B	10	6	10	7	68	85	0.412	0.371	0.165	-20~+10	-10~+30	-10~+50	500
CA55-A-10V-10μF-M	10	A	10	6	10	10	100	125	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	300
CA55-B-10V-10μF-M	10	B	10	6	10	10	100	125	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CA55-A-10V-15μF-M	15	A	10	6	10	15	150	188	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	300
CA55-B-10V-15μF-M	15	B	10	6	10	15	150	188	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CA55-C-10V-15μF-M	15	C	10	6	10	15	150	188	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CA55-B-10V-22μF-M	22	B	10	6	10	22	220	275	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CA55-C-10V-22μF-M	22	C	10	6	10	22	220	275	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CA55-B-10V-33μF-M	33	B	10	6	10	33	330	413	0.652	0.587	0.261	-20~+10	-10~+30	-10~+50	200
CA55-C-10V-33μF-M	33	C	10	6	10	33	330	413	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CA55-C-10V-47μF-M	47	C	10	6	10	47	470	588	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-D-10V-47μF-M	47	D	10	6	10	47	470	588	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-C-10V-68μF-M	68	C	10	6	10	68	680	850	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-D-10V-68μF-M	68	D	10	6	10	68	680	850	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-D1-10V-68μF-M	68	D1	10	6	10	68	680	850	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-C-10V-100μF-M	100	C	14	10	14	100	1000	1250	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-D-10V-100μF-M	100	D	14	10	14	100	1000	1250	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-D1-10V-100μF-M	100	D1	14	10	14	100	1000	1250	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-C-10V-150μF-M	150	C	14	10	14	150	1500	1875	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-D-10V-150μF-M	150	D	14	10	14	150	1500	1875	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-D1-10V-150μF-M	150	D1	14	10	14	150	1500	1875	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-E-10V-150μF-M	150	E	14	10	14	150	1500	1875	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-D-10V-220μF-M	220	D	14	10	14	220	2200	2750	1.464	1.317	0.586	-20~+10	-10~+30	-10~+50	70
CA55-E-10V-220μF-M	220	E	14	10	14	220	2200	2750	1.581	1.423	0.632	-20~+10	-10~+30	-10~+50	70
CA55-D-10V-330μF-M	330	D	14	10	14	330	3300	4125	1.651	1.486	0.667	-20~+10	-20~+10	-20~+10	55
CA55-E-10V-330μF-M	330	E	14	10	14	330	3300	4125	1.784	1.605	0.714	-20~+10	-10~+30	-10~+50	55
CA55-F-10V-330μF-M	330	F	14	10	14	330	3300	4125	1.809	1.628	0.724	-20~+10	-10~+30	-10~+50	55
CA55-E-10V-470μF-M	470	E	14	10	14	470	4700	5875	1.972	1.775	0.789	-20~+10	-10~+30	-10~+50	45
CA55-F-10V-470μF-M	470	F	14	10	14	470	4700	5875	2.000	1.800	0.800	-20~+10	-10~+30	-10~+50	45
CA55-F-10V-680μF-M	680	F	18	14	18	680	6800	8500	2.000	1.800	0.800	-20~+10	-10~+30	-10~+50	45
CA55-H-10V-680μF-M	680	H	18	14	18	680	6800	8500	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CA55-Y-10V-680μF-M	680	Y	18	14	18	680	6800	8500	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CA55-H-10V-1000μF-M	1000	H	18	14	18	1000	10000	12500	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CA55-Y-10V-1000μF-M	1000	Y	18	14	18	1000	10000	12500	2.108	1.897	0.843	-20~+10	-10~+30	-10~+50	45
CA55-H-10V-1500μF-M	1500	H	22	18	22	1500	15000	18750	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CA55-Z-10V-1500μF-M	1500	Z	22	18	22	1500	15000	18750	4.714	4.243	1.886	-20~+10	-10~+30	-10~+50	45
CA55-Z-10V-2200μF-M	2200	Z	22	18	22	2200	22000	27500	5.345	4.811	2.138	-20~+10	-10~+30	-10~+50	35

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			ESR(mΩ) @100kHz 25°C
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
Rated voltage:16V Category Voltage:10V															
CA55-A-16V-4.7μF-M	4.7	A	10	6	10	8	75	94	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	600
CA55-A-16V-6.8μF-M	6.8	A	10	6	10	11	109	136	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	600
CA55-B-16V-6.8μF-M	6.8	B	10	6	10	11	109	136	0.376	0.339	0.151	-20~+10	-10~+30	-10~+50	600
CA55-A-16V-10μF-M	10	A	10	6	10	16	160	200	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	300
CA55-B-16V-10μF-M	10	B	10	6	10	16	160	200	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CA55-B-16V-15μF-M	15	B	10	6	10	24	240	300	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CA55-C-16V-15μF-M	15	C	10	6	10	24	240	300	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CA55-B-16V-22μF-M	22	B	10	6	10	35	352	440	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CA55-C-16V-22μF-M	22	C	10	6	10	35	352	440	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CA55-C-16V-33μF-M	33	C	10	6	10	53	528	660	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CA55-C-16V-47μF-M	47	C	10	6	10	75	752	940	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-D-16V-47μF-M	47	D	10	6	10	75	752	940	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-D1-16V-47μF-M	47	D1	10	6	10	75	752	940	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-C-16V-68μF-M	68	C	10	6	10	109	1088	1360	1.049	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-D-16V-68μF-M	68	D	10	6	10	109	1088	1360	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-D1-16V-68μF-M	68	D1	10	6	10	109	1088	1360	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-C-16V-100μF-M	100	C	14	10	14	160	1600	2000	1.409	0.944	0.420	-20~+10	-10~+30	-10~+50	100
CA55-D-16V-100μF-M	100	D	14	10	14	160	1600	2000	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-D1-16V-100μF-M	100	D1	14	10	14	160	1600	2000	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-E-16V-100μF-M	100	E	14	10	14	160	1600	2000	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-D-16V-150μF-M	150	D	14	10	14	240	2400	3000	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-E-16V-150μF-M	150	E	14	10	14	240	2400	3000	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-D-16V-220μF-M	220	D	14	10	14	352	3520	4400	1.464	1.317	0.580	-20~+10	-10~+30	-10~+50	70
CA55-E-16V-220μF-M	220	E	14	10	14	352	3520	4400	1.581	1.423	0.632	-20~+10	-10~+30	-10~+50	70
CA55-E-16V-330μF-M	330	E	14	10	14	528	5280	6600	1.784	1.605	0.714	-20~+10	-10~+30	-10~+50	55
CA55-F-16V-330μF-M	330	F	14	10	14	528	5280	6600	1.809	1.628	0.724	-20~+10	-10~+30	-10~+50	55
CA55-H-16V-330μF-M	330	H	14	10	14	528	5280	6600	2.335	2.102	0.934	-20~+10	-10~+30	-10~+50	55
CA55-H-16V-470μF-M	470	H	14	10	14	752	7520	9400	2.449	2.205	0.980	-20~+10	-10~+30	-10~+50	50
CA55-Y-16V-470μF-M	470	Y	14	10	14	752	7520	9400	2.000	1.800	0.800	-20~+10	-10~+30	-10~+50	50
CA55-H-16V-680μF-M	680	H	18	14	18	1088	10880	13600	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	45
CA55-Z-16V-680μF-M	680	Z	18	14	18	1088	10880	13600	4.714	4.243	1.886	-20~+10	-10~+30	-10~+50	45
CA55-Z-16V-1000μF-M	1000	Z	18	14	18	1600	16000	20000	4.714	4.243	1.886	-20~+10	-10~+30	-10~+50	45
Rated voltage:20V Category Voltage:13V															
CA55-A-20V-2.2μF-M	2.2	A	10	6	10	4	44	55	0.194	0.174	0.077	-20~+10	-10~+30	-10~+50	2000
CA55-A-20V-3.3μF-M	3.3	A	10	6	10	7	66	83	0.204	0.184	0.082	-20~+10	-10~+30	-10~+50	1800
CA55-A-20V-4.7μF-M	4.7	A	10	6	10	9	94	118	0.224	0.201	0.089	-20~+10	-10~+30	-10~+50	1500
CA55-B-20V-4.7μF-M	4.7	B	10	6	10	9	94	118	0.326	0.293	0.130	-20~+10	-10~+30	-10~+50	800
CA55-A-20V-6.8μF-M	6.8	A	10	6	10	14	136	170	0.274	0.246	0.110	-20~+10	-10~+30	-10~+50	1000
CA55-B-20V-6.8μF-M	6.8	B	10	6	10	14	136	170	0.376	0.339	0.151	-20~+10	-10~+30	-10~+50	600
CA55-B-20V-10μF-M	10	B	10	6	10	20	200	250	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												ESR(mΩ) @100kHz 25°C
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
CA55-C-20V-10μF-M	10	C	10	6	10	20	200	250	0.606	0.545	0.242	-20~+10	-10~+30	-10~+50	300
CA55-B-20V-15μF-M	15	B	10	6	10	30	300	375	0.583	0.525	0.233	-20~+10	-10~+30	-10~+50	250
CA55-C-20V-15μF-M	15	C	10	6	10	30	300	375	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CA55-B-20V-22μF-M	22	B	10	6	10	44	440	550	0.652	0.587	0.261	-20~+10	-10~+30	-10~+50	180
CA55-C-20V-22μF-M	22	C	10	6	10	44	440	550	0.782	0.704	0.313	-20~+10	-10~+30	-10~+50	180
CA55-D-20V-22μF-M	22	D	10	6	10	44	440	550	0.913	0.822	0.365	-20~+10	-10~+30	-10~+50	180
CA55-D1-20V-22μF-M	22	D1	10	6	10	44	440	550	0.913	0.822	0.365	-20~+10	-10~+30	-10~+50	180
CA55-C-20V-33μF-M	33	C	10	6	10	66	660	825	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CA55-D-20V-33μF-M	33	D	10	6	10	66	660	825	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-D1-20V-33μF-M	33	D1	10	6	10	66	660	825	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-C-20V-47μF-M	47	C	10	6	10	94	940	1175	0.957	0.862	0.383	-20~+10	-10~+30	-10~+50	120
CA55-D-20V-47μF-M	47	D	10	6	10	94	940	1175	1.118	1.006	0.447	-20~+10	-10~+30	-10~+50	120
CA55-D1-20V-47μF-M	47	D1	10	6	10	94	940	1175	1.118	1.006	0.447	-20~+10	-10~+30	-10~+50	120
CA55-D-20V-68μF-M	68	D	10	6	10	136	1360	1700	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-D1-20V-68μF-M	68	D1	10	6	10	136	1360	1700	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-E-20V-68μF-M	68	E	10	6	10	136	1360	1700	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-D-20V-100μF-M	100	D	14	10	14	200	2000	2500	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-E-20V-100μF-M	100	E	14	10	14	200	2000	2500	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-E-20V-150μF-M	150	E	14	10	14	300	3000	3750	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-F-20V-150μF-M	150	F	14	10	14	300	3000	3750	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CA55-E-20V-220μF-M	220	E	14	10	14	440	4400	5500	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-F-20V-220μF-M	220	F	14	10	14	440	4400	5500	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CA55-H-20V-220μF-M	220	H	14	10	14	440	4400	5500	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Y-20V-220μF-M	220	Y	14	10	14	440	4400	5500	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-H-20V-330μF-M	330	H	14	10	14	660	6600	8250	2.236	2.012	0.894	-20~+10	-10~+30	-10~+50	60
CA55-Y-20V-330μF-M	330	Y	14	10	14	660	6600	8250	1.826	1.643	0.730	-20~+10	-10~+30	-10~+50	60
CA55-H-20V-470μF-M	470	H	14	10	14	940	9400	11750	2.236	2.012	0.894	-20~+10	-10~+30	-10~+50	60
CA55-Z-20V-470μF-M	470	Z	14	10	14	940	9400	11750	4.082	3.674	1.633	-20~+10	-10~+30	-10~+50	60
CA55-Z-20V-680μF-M	680	Z	18	14	18	1360	13600	17000	4.082	3.674	1.633	-20~+10	-10~+30	-10~+50	60
CA55-Z-20V-1000μF-M	1000	Z	18	14	18	2000	20000	25000	4.714	4.243	1.886	-20~+10	-10~+30	-10~+50	45
Rated voltage:25V Category Voltage:17V															
CA55-A-25V-1.5μF-M	1.5	A	10	6	10	4	38	47	0.274	0.246	0.110	-20~+10	-10~+30	-10~+50	1000
CA55-A-25V-2.2μF-M	2.2	A	10	6	10	6	55	69	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CA55-A-25V-3.3μF-M	3.3	A	10	6	10	8	83	103	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CA55-A-25V-4.7μF-M	4.7	A	10	6	10	12	118	147	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CA55-B-25V-4.7μF-M	4.7	B	10	6	10	12	118	147	0.326	0.293	0.130	-20~+10	-10~+30	-10~+50	800
CA55-B-25V-6.8μF-M	6.8	B	10	6	10	17	170	213	0.376	0.339	0.151	-20~+10	-10~+30	-10~+50	600
CA55-C-25V-6.8μF-M	6.8	C	10	6	10	17	170	213	0.428	0.385	0.171	-20~+10	-10~+30	-10~+50	600
CA55-B-25V-10μF-M	10	B	10	6	10	25	250	313	0.532	0.479	0.213	-20~+10	-10~+30	-10~+50	300
CA55-C-25V-10μF-M	10	C	10	6	10	25	250	313	0.606	0.545	0.242	-20~+10	-10~+30	-10~+50	300
CA55-C-25V-15μF-M	15	C	10	6	10	38	375	469	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												ESR(mΩ) @100kHz 25°C
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
CA55-C-25V-22μF-M	22	C	10	6	10	55	550	688	0.782	0.704	0.313	-20~+10	-10~+30	-10~+50	180
CA55-D-25V-22μF-M	22	D	10	6	10	55	550	688	0.913	0.822	0.365	-20~+10	-10~+30	-10~+50	180
CA55-D1-25V-22μF-M	22	D1	10	6	10	55	550	688	0.913	0.822	0.365	-20~+10	-10~+30	-10~+50	180
CA55-C-25V-33μF-M	33	C	10	6	10	83	825	1031	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CA55-D-25V-33μF-M	33	D	10	6	10	83	825	1031	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-D1-25V-33μF-M	33	D1	10	6	10	83	825	1031	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-E-25V-33μF-M	33	E	10	6	10	83	825	1031	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CA55-C-25V-47μF-M	47	C	10	6	10	118	1175	1469	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CA55-D-25V-47μF-M	47	D	10	6	10	118	1175	1469	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-D1-25V-47μF-M	47	D1	10	6	10	118	1175	1469	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-E-25V-47μF-M	47	E	10	6	10	118	1175	1469	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CA55-D-25V-68μF-M	68	D	10	6	10	170	1700	2125	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-E-25V-68μF-M	68	E	10	6	10	170	1700	2125	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-E-25V-100μF-M	100	E	14	10	14	250	2500	3125	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-F-25V-100μF-M	100	F	14	10	14	250	2500	3125	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CA55-Y-25V-100μF-M	100	Y	14	10	14	250	2500	3125	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-E-25V-150μF-M	150	E	14	10	14	375	3750	4688	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-F-25V-150μF-M	150	F	14	10	14	375	3750	4688	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CA55-H-25V-150μF-M	150	H	14	10	14	375	3750	4688	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Y-25V-150μF-M	150	Y	14	10	14	375	3750	4688	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-F-25V-220μF-M	220	F	14	10	14	550	5500	6875	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CA55-H-25V-220μF-M	220	H	14	10	14	550	5500	6875	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Y-25V-220μF-M	220	Y	14	10	14	550	5500	6875	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-H-25V-330μF-M	330	H	14	10	14	825	8250	10313	2.236	2.012	0.894	-20~+10	-10~+30	-10~+50	60
CA55-Z-25V-330μF-M	330	Z	14	10	14	825	8250	10313	4.082	3.674	1.633	-20~+10	-10~+30	-10~+50	60
CA55-H-25V-470μF-M	470	H	14	10	14	1175	11750	14688	2.236	2.012	0.894	-20~+10	-10~+30	-10~+50	60
CA55-Z-25V-470μF-M	470	Z	14	10	14	1175	11750	14688	4.082	3.674	1.633	-20~+10	-10~+30	-10~+50	60
CA55-Z-25V-680μF-M	680	Z	18	14	18	1700	17000	21250	4.082	3.674	1.633	-20~+10	-10~+30	-10~+50	60
Rated voltage:35V Category Voltage:23V															
CA55-A-35V-1μF-M	1	A	10	6	10	5	50	63	0.158	0.142	0.063	-20~+10	-10~+30	-10~+50	3000
CA55-A-35V-1.5μF-M	1.5	A	10	6	10	5	53	66	0.173	0.156	0.069	-20~+10	-10~+30	-10~+50	2500
CA55-B-35V-1.5μF-M	1.5	B	10	6	10	5	53	66	0.184	0.166	0.074	-20~+10	-10~+30	-10~+50	2500
CA55-A-35V-2.2μF-M	2.2	A	10	6	10	8	77	96	0.306	0.276	0.122	-20~+10	-10~+30	-10~+50	800
CA55-B-35V-2.2μF-M	2.2	B	10	6	10	8	77	96	0.230	0.207	0.092	-20~+10	-10~+30	-10~+50	1600
CA55-B-35V-3.3μF-M	3.3	B	10	6	10	12	116	144	0.230	0.207	0.092	-20~+10	-10~+30	-10~+50	1600
CA55-B-35V-4.7μF-M	4.7	B	10	6	10	16	165	206	0.412	0.371	0.165	-20~+10	-10~+30	-10~+50	500
CA55-C-35V-4.7μF-M	4.7	C	10	6	10	16	165	206	0.371	0.334	0.148	-20~+10	-10~+30	-10~+50	800
CA55-C-35V-6.8μF-M	6.8	C	10	6	10	24	238	298	0.428	0.385	0.171	-20~+10	-10~+30	-10~+50	600
CA55-C-35V-10μF-M	10	C	10	6	10	35	350	438	0.742	0.667	0.297	-20~+10	-10~+30	-10~+50	200
CA55-D-35V-10μF-M	10	D	10	6	10	35	350	438	0.866	0.779	0.346	-20~+10	-10~+30	-10~+50	200
CA55-D1-35V-10μF-M	10	D1	10	6	10	35	350	438	0.866	0.779	0.346	-20~+10	-10~+30	-10~+50	200

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												ESR(mΩ) @100kHz 25°C
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
CA55-C-35V-15μF-M	15	C	10	6	10	53	525	656	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CA55-D-35V-15μF-M	15	D	10	6	10	53	525	656	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-D1-35V-15μF-M	15	D1	10	6	10	53	525	656	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-E-35V-15μF-M	15	E	10	6	10	53	525	656	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CA55-C-35V-22μF-M	22	C	10	6	10	77	770	963	0.856	0.771	0.343	-20~+10	-10~+30	-10~+50	150
CA55-D-35V-22μF-M	22	D	10	6	10	77	770	963	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-D1-35V-22μF-M	22	D1	10	6	10	77	770	963	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-E-35V-22μF-M	22	E	10	6	10	77	770	963	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CA55-D-35V-33μF-M	33	D	10	6	10	116	1155	1444	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-E-35V-33μF-M	33	E	10	6	10	116	1155	1444	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CA55-F-35V-33μF-M	33	F	10	6	10	116	1155	1444	1.095	0.986	0.438	-20~+10	-10~+30	-10~+50	150
CA55-D-35V-47μF-M	47	D	10	6	10	165	1645	2056	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	100
CA55-E-35V-47μF-M	47	E	10	6	10	165	1645	2056	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-F-35V-47μF-M	47	F	10	6	10	165	1645	2056	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CA55-Y-35V-47μF-M	47	Y	10	6	10	165	1645	2056	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-E-35V-68μF-M	68	E	10	6	10	238	2380	2975	1.323	1.191	0.529	-20~+10	-10~+30	-10~+50	100
CA55-F-35V-68μF-M	68	F	10	6	10	238	2380	2975	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CA55-H-35V-68μF-M	68	H	10	6	10	238	2380	2975	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Y-35V-68μF-M	68	Y	10	6	10	238	2380	2975	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-H-35V-100μF-M	100	H	14	10	14	350	3500	4375	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Y-35V-100μF-M	100	Y	14	10	14	350	3500	4375	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-H-35V-150μF-M	150	H	14	10	14	525	5250	6563	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Y-35V-150μF-M	150	Y	14	10	14	525	5250	6563	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-H-35V-220μF-M	220	H	14	10	14	770	7700	9625	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Z-35V-220μF-M	220	Z	14	10	14	770	7700	9625	3.162	2.846	1.265	-20~+10	-10~+30	-10~+50	100
CA55-Z-35V-330μF-M	330	Z	14	10	14	1155	11550	14438	4.082	3.674	1.633	-20~+10	-10~+30	-10~+50	60
Rated voltage:50V Category Voltage:33V															
CA55-A-50V-0.68μF-M	0.68	A	10	6	10	3	34	43	0.173	0.156	0.069	-20~+10	-10~+30	-10~+50	2500
CA55-B-50V-1μF-M	1	B	10	6	10	5	50	63	0.184	0.166	0.074	-20~+10	-10~+30	-10~+50	2500
CA55-B-50V-1.5μF-M	1.5	B	10	6	10	8	75	94	0.206	0.186	0.082	-20~+10	-10~+30	-10~+50	2000
CA55-C-50V-1.5μF-M	1.5	C	10	6	10	8	75	94	0.235	0.211	0.094	-20~+10	-10~+30	-10~+50	2000
CA55-C-50V-2.2μF-M	2.2	C	10	6	10	11	110	138	0.291	0.262	0.116	-20~+10	-10~+30	-10~+50	1300
CA55-C-50V-3.3μF-M	3.3	C	10	6	10	17	165	206	0.303	0.272	0.121	-20~+10	-10~+30	-10~+50	1200
CA55-D-50V-3.3μF-M	3.3	D	10	6	10	17	165	206	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	1200
CA55-D1-50V-3.3μF-M	3.3	D1	10	6	10	17	165	206	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	1200
CA55-C-50V-4.7μF-M	4.7	C	10	6	10	24	235	294	0.371	0.334	0.148	-20~+10	-10~+30	-10~+50	800
CA55-D-50V-4.7μF-M	4.7	D	10	6	10	24	235	294	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CA55-D1-50V-4.7μF-M	4.7	D1	10	6	10	24	235	294	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CA55-D-50V-6.8μF-M	6.8	D	10	6	10	34	340	425	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	600
CA55-D1-50V-6.8μF-M	6.8	D1	10	6	10	34	340	425	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	600
CA55-D-50V-10μF-M	10	D	10	6	10	50	500	625	0.866	0.779	0.346	-20~+10	-10~+30	-10~+50	200

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			ESR(mΩ) @100kHz 25°C
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
CA55-D1-50V-10μF-M	10	D1	10	6	10	50	500	625	0.866	0.779	0.346	-20~+10	-10~+30	-10~+50	200
CA55-E-50V-10μF-M	10	E	10	6	10	50	500	625	0.935	0.842	0.374	-20~+10	-10~+30	-10~+50	200
CA55-D-50V-15μF-M	15	D	10	6	10	75	750	938	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	150
CA55-E-50V-15μF-M	15	E	10	6	10	75	750	938	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CA55-E-50V-22μF-M	22	E	10	6	10	110	1100	1375	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CA55-F-50V-22μF-M	22	F	10	6	10	110	1100	1375	1.095	0.986	0.438	-20~+10	-10~+30	-10~+50	150
CA55-Y-50V-22μF-M	22	Y	10	6	10	110	1100	1375	1.155	1.039	0.462	-20~+10	-10~+30	-10~+50	150
CA55-E-50V-33μF-M	33	E	10	6	10	165	1650	2063	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CA55-F-50V-33μF-M	33	F	10	6	10	165	1650	2063	1.095	0.986	0.438	-20~+10	-10~+30	-10~+50	150
CA55-H-50V-33μF-M	33	H	10	6	10	165	1650	2063	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	150
CA55-Y-50V-33μF-M	33	Y	10	6	10	165	1650	2063	1.155	1.039	0.462	-20~+10	-10~+30	-10~+50	150
CA55-F-50V-47μF-M	47	F	10	6	10	235	2350	2938	1.342	1.207	0.537	-20~+10	-10~+30	-10~+50	100
CA55-H-50V-47μF-M	47	H	10	6	10	235	2350	2938	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Y-50V-47μF-M	47	Y	10	6	10	235	2350	2938	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-H-50V-68μF-M	68	H	10	6	10	340	3400	4250	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Y-50V-68μF-M	68	Y	10	6	10	340	3400	4250	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-H-50V-100μF-M	100	H	14	10	14	500	5000	6250	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Z-50V-100μF-M	100	Z	14	10	14	500	5000	6250	3.162	2.846	1.265	-20~+10	-10~+30	-10~+50	100
CA55-Z-50V-150μF-M	150	Z	14	10	14	750	7500	9375	3.162	2.846	1.265	-20~+10	-10~+30	-10~+50	100
Rated voltage:63V Category Voltage:45V															
CA55-C-63V-1μF-M	1	C	10	6	10	6	63	79	0.235	0.211	0.094	-20~+10	-10~+30	-10~+50	2000
CA55-C-63V-1.5μF-M	1.5	C	10	6	10	9	95	118	0.235	0.211	0.094	-20~+10	-10~+30	-10~+50	2000
CA55-C-63V-2.2μF-M	2.2	C	10	6	10	14	139	173	0.291	0.262	0.116	-20~+10	-10~+30	-10~+50	1300
CA55-D-63V-2.2μF-M	2.2	D	10	6	10	14	139	173	0.340	0.306	0.136	-20~+10	-10~+30	-10~+50	1300
CA55-D1-63V-2.2μF-M	2.2	D1	10	6	10	14	139	173	0.340	0.306	0.136	-20~+10	-10~+30	-10~+50	1300
CA55-C-63V-3.3μF-M	3.3	C	10	6	10	21	208	260	0.303	0.272	0.121	-20~+10	-10~+30	-10~+50	1200
CA55-D-63V-3.3μF-M	3.3	D	10	6	10	21	208	260	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	1200
CA55-D1-63V-3.3μF-M	3.3	D1	10	6	10	21	208	260	0.354	0.318	0.141	-20~+10	-10~+30	-10~+50	1200
CA55-D-63V-4.7μF-M	4.7	D	10	6	10	30	296	370	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CA55-D1-63V-4.7μF-M	4.7	D1	10	6	10	30	296	370	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CA55-D-63V-6.8μF-M	6.8	D	10	6	10	43	428	536	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	600
CA55-E-63V-6.8μF-M	6.8	E	10	6	10	43	428	536	0.540	0.486	0.216	-20~+10	-10~+30	-10~+50	600
CA55-D-63V-10μF-M	10	D	10	6	10	63	630	788	0.866	0.779	0.346	-20~+10	-10~+30	-10~+50	200
CA55-E-63V-10μF-M	10	E	10	6	10	63	630	788	0.935	0.842	0.374	-20~+10	-10~+30	-10~+50	200
CA55-E-63V-15μF-M	15	E	10	6	10	95	945	1181	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CA55-F-63V-15μF-M	15	F	10	6	10	95	945	1181	1.095	0.986	0.438	-20~+10	-10~+30	-10~+50	150
CA55-E-63V-22μF-M	22	E	10	6	10	139	1386	1733	1.080	0.972	0.432	-20~+10	-10~+30	-10~+50	150
CA55-F-63V-22μF-M	22	F	10	6	10	139	1386	1733	1.095	0.986	0.438	-20~+10	-10~+30	-10~+50	150
CA55-F-63V-33μF-M	33	F	10	6	10	208	2079	2599	1.095	0.986	0.438	-20~+10	-10~+30	-10~+50	150

CAPACITANCE AND RATED VOLTAGE RANGE

Part No.	Cap (μF)	Size Code	Maximum Value												
			DF(%)			DCL(μA)			Rms Current(A) @100KHz			Cap Deviation(%)			ESR(mΩ) @100kHz 25°C
			-55°C	25°C	85°C 125°C	25°C	85°C	125°C	25°C	85°C	125°C	-55°C	85°C	125°C	
CA55-Y-63V-33μF-M	33	Y	10	6	10	208	2079	2599	1.155	1.039	0.462	-20~+10	-10~+30	-10~+50	150
CA55-H-63V-47μF-M	47	H	10	6	10	296	2961	3701	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Y-63V-47μF-M	47	Y	10	6	10	296	2961	3701	1.414	1.273	0.566	-20~+10	-10~+30	-10~+50	100
CA55-H-63V-68μF-M	68	H	10	6	10	428	4284	5355	1.732	1.559	0.693	-20~+10	-10~+30	-10~+50	100
CA55-Z-63V-68μF-M	68	Z	10	6	10	428	4284	5355	3.162	2.846	1.265	-20~+10	-10~+30	-10~+50	100
CA55-Z-63V-100μF-M	100	Z	14	10	14	630	6300	7875	3.162	2.846	1.265	-20~+10	-10~+30	-10~+50	100
Rated voltage:75V Category Voltage:53V															
CA55-C-75V-1μF-M	1	C	10	6	10	8	75	94	0.235	0.211	0.094	-20~+10	-10~+30	-10~+50	2000
CA55-C-75V-1.5μF-M	1.5	C	10	6	10	11	113	141	0.235	0.211	0.094	-20~+10	-10~+30	-10~+50	2000
CA55-D-75V-2.2μF-M	2.2	D	10	6	10	17	165	206	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CA55-D-75V-3.3μF-M	3.3	D	10	6	10	25	248	309	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CA55-D-75V-4.7μF-M	4.7	D	10	6	10	35	353	441	0.500	0.450	0.200	-20~+10	-10~+30	-10~+50	600
CA55-E-75V-4.7μF-M	4.7	E	10	6	10	35	353	441	0.540	0.486	0.216	-20~+10	-10~+30	-10~+50	600
CA55-F-75V-6.8μF-M	6.8	F	10	6	10	51	510	638	0.548	0.493	0.219	-20~+10	-10~+30	-10~+50	600
CA55-F-75V-10μF-M	10	F	10	6	10	75	750	938	0.671	0.604	0.268	-20~+10	-10~+30	-10~+50	400
CA55-Y-75V-10μF-M	10	Y	10	6	10	75	750	938	0.707	0.636	0.283	-20~+10	-10~+30	-10~+50	400
CA55-Y-75V-15μF-M	15	Y	10	6	10	113	1125	1406	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	200
CA55-H-75V-22μF-M	22	H	10	6	10	165	1650	2063	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	200
CA55-H-75V-33μF-M	33	H	10	6	10	248	2475	3094	1.225	1.102	0.490	-20~+10	-10~+30	-10~+50	200
CA55-Z-75V-47μF-M	47	Z	10	6	10	353	3525	4406	2.582	2.324	1.033	-20~+10	-10~+30	-10~+50	150
Rated voltage:100V Category Voltage:70V															
CA55-D-100V-1μF-M	1	D	10	6	10	10	100	125	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CA55-D-100V-1.5μF-M	1.5	D	10	6	10	15	150	188	0.433	0.390	0.173	-20~+10	-10~+30	-10~+50	800
CA55-E-100V-2.2μF-M	2.2	E	10	6	10	22	220	275	0.540	0.486	0.216	-20~+10	-10~+30	-10~+50	600
CA55-F-100V-3.3μF-M	3.3	F	10	6	10	33	330	413	0.548	0.493	0.219	-20~+10	-10~+30	-10~+50	600
CA55-Y-100V-4.7μF-M	4.7	Y	10	6	10	47	470	588	0.577	0.520	0.231	-20~+10	-10~+30	-10~+50	600
CA55-Y-100V-6.8μF-M	6.8	Y	10	6	10	68	680	850	0.707	0.636	0.283	-20~+10	-10~+30	-10~+50	400
CA55-H-100V-10μF-M	10	H	10	6	10	100	1000	1250	0.866	0.779	0.346	-20~+10	-10~+30	-10~+50	400
CA55-H-100V-15μF-M	15	H	10	6	10	150	1500	1875	1.000	0.900	0.400	-20~+10	-10~+30	-10~+50	300
CA55-Z-100V-22μF-M	22	Z	10	6	10	220	2200	2750	2.236	2.012	0.894	-20~+10	-10~+30	-10~+50	200
CA55-Z-100V-33μF-M	33	Z	10	6	10	330	3300	4125	2.236	2.012	0.894	-20~+10	-10~+30	-10~+50	200

MEASUREMENT CONDITIONS

- a) Capacitance and DF are measured at 100Hz,1V RMS with DC bias of 2.2V.
- b) Leakage Current is measured at rated voltage after 3 minutes,protective resistance of 1000Ω is connected in series with the capacitor in the measuring circuit.

SOLDERING

Case Size	A B C D D1 E	F Y H Z
Soldering Method	Reflow Hand Soldering	Hand Soldering

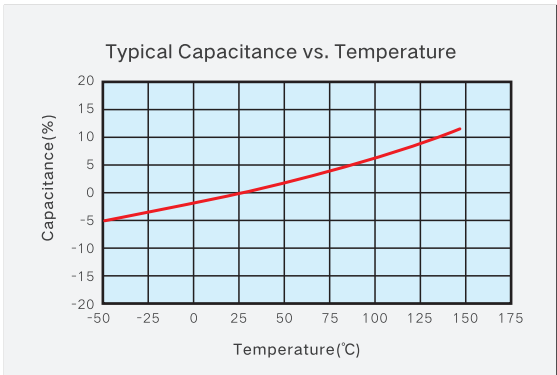
CAPACITANCE

Rated Capacitance

For tantalum and Polymer capacitors it is measured as the capacitance of the equivalent series circuit at 25°C using a measuring bridge supplied by a 1.0Vrms @100Hz sinusoidal signal, free of harmonics with a bias of 2.2Vdc.

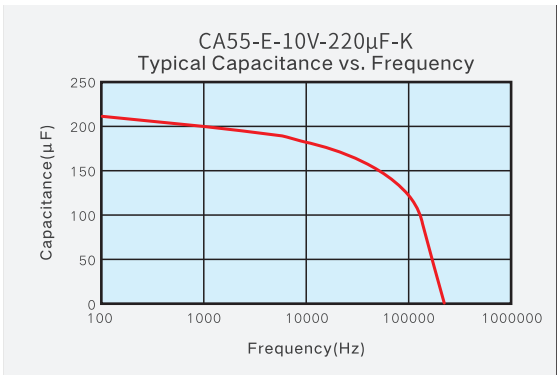
Temperature Dependence of Capacitance

The capacitance of a tantalum capacitor varies with temperature. This variation itself is dependent to a small extent on the rated voltage and capacitor size.



Frequency Dependence of Capacitance

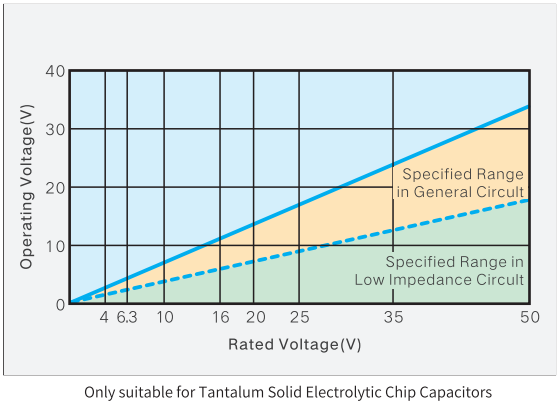
The effective capacitance decreases as frequency increases. Beyond 100kHz the capacitance continues to drop until resonance is reached (typically between 0.5~5MHz depending on the rating).Beyond the resonant frequency the device becomes inductive.



CAPACITANCE

Rated Voltage

This is the rated DC voltage for continuous operation up to 85°C. Operating voltage consists of the sum of DC bias voltage and ripple peak voltage. The peak voltage should not exceed the category voltage. For recommended voltage derating refer to the following figure.



Category Voltage and Surge Voltage

Category Voltage is the maximum voltage that may be applied continuously to a capacitor. It is equal to the Rated Voltage up to +85°C, beyond which it is subject to a linear derating to 2/3 rated voltage at 125°C for tantalum. Surge Voltage is the highest voltage that may be applied to a capacitor for short periods of time in circuits with minimum series resistance of 33Ω (CECC states 1kΩ). The surge voltage may be applied up to 10 times in an hour for periods of up to 30 seconds at a time. The surge voltage must not be used as a parameter in the design of circuits.

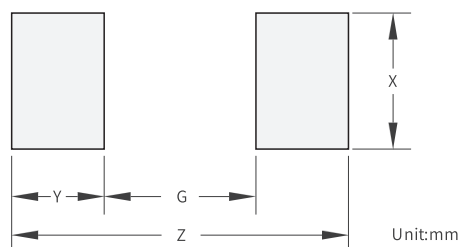
85°C		125°C	
Rated Voltage(Vdc)	Surge Voltage(Vdc)	Category Voltage(Vdc)	Surge Voltage(Vdc)
2.5	2.9	2	2.3
4	4.6	3.2	3.7
6.3	7.2	5	5.8
10	12	8	9.2
16	18	13	15
20	23	16	18
25	29	20	23
35	40	28	32
50	58	40	46
63	72	50	58

RIPPLE CURRENT

The maximum ripple current allowed is derived from the power dissipation limits for a given temperature rise above ambient temperature, please refer to CAPACITANCE AND RATED VOLTAGE RANGE.

APPLICATION GUIDANCE FOR POLYMER TANTALUM SOLID ELECTROLYTE CHIP CAPACITORS

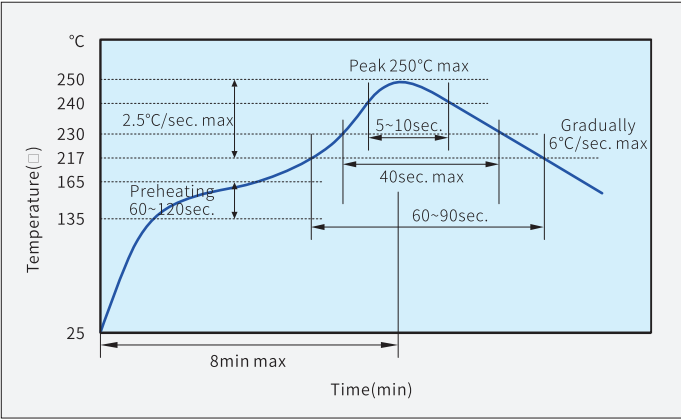
LAND PATTERN DESIGN RECOMMENDATIONS



Case Size	G. Max.	Z Min.	X Min.	Y(Typical)
A	1.0	3.8	1.5	1.05
B	1.4	4.1	2.7	1.35
C	2.9	6.9	2.7	2.0
D/D1	4.1	8.2	2.9	2.05
E	4.1	8.2	2.9	2.05
F	4.1	8.2	4.6	2.05

SOLDERING

Reflow Soldering



CLEANING

Both Tantalum and Polymer are compatible with most PCB board cleaning systems. If aqueous cleaning is performed, parts must be allowed to dry prior to test. Ultrasonic agitation are not to be recommended.

STORAGE

To maintain the solderability of terminal electrodes and to keep packaging materials in good condition, care must be taken to control temperature and humidity.

Recommended conditions

Temperature: From -5°C to 40°C

Humidity: Below 60% RH

Even under ideal storage conditions, solderability of capacitor is deteriorated as time passes, so capacitors shall be used within 12 months from the time of delivery. If exceeding the above period, please check solderability before using the capacitors.



FEATURES

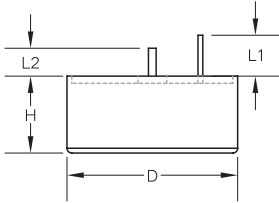
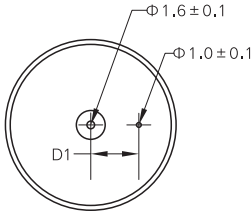
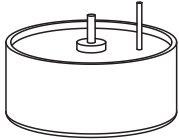
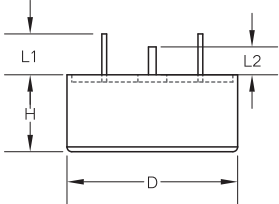
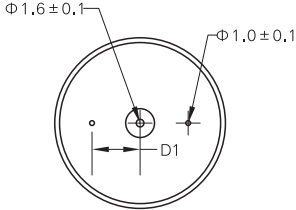
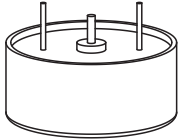
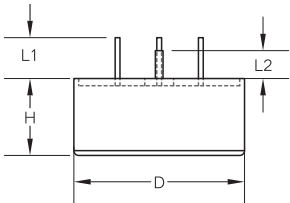
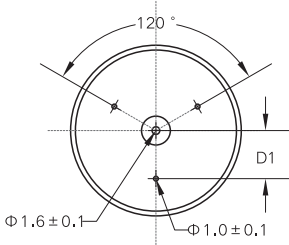
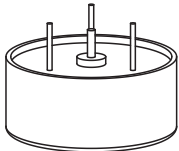
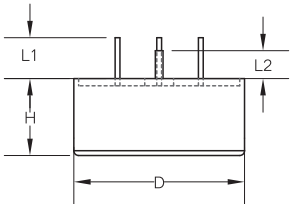
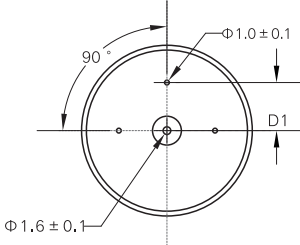
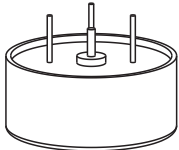
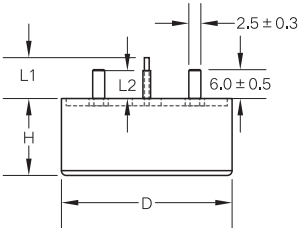
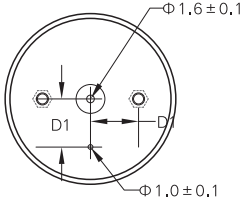
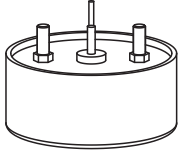
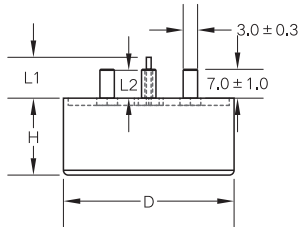
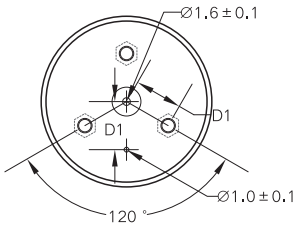
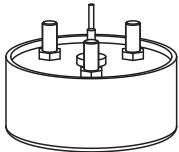
- Operating temperature:-55°C+125°C
- Voltage:10V-150V
- Termination:radial leaded
- Accelerated steady state aging: 100%
- Temperature stability:100%
- Barometric pressure:100%
- All tantalum sealed Case
- High energy and very high capacitance design

APPLICATIONS

Typical applications include energy storage and power compensation.

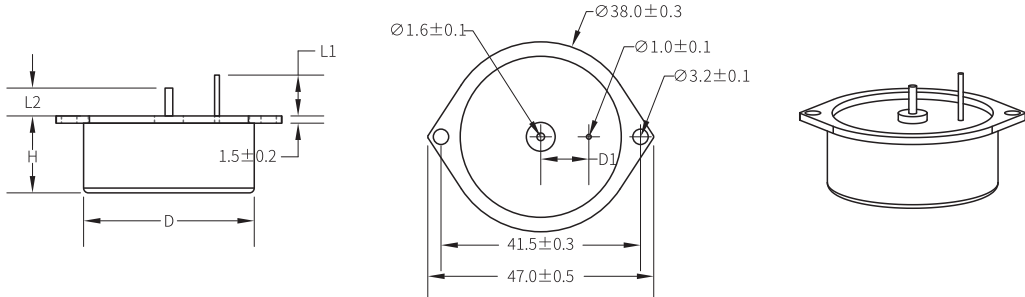
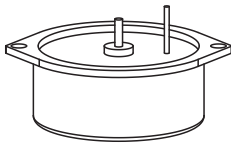
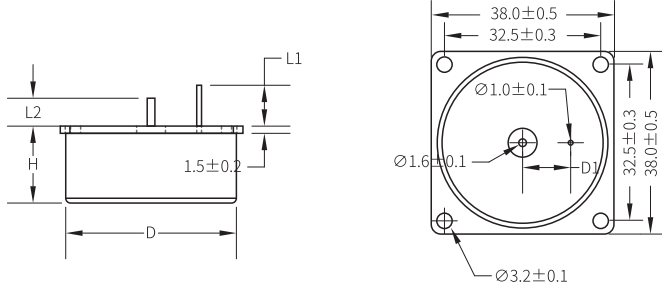
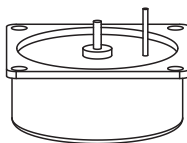
ORDERING INFORMATION

CAK36	-50V	-1000μF	-M	-CD1	-A
Series	Rated Voltage	Capacitance	Capacitance Tolerance	Case Size	Mounting Form
Hermetically Sealed High Energy Tantalum	10V 16V 25V 35V 50V 63V 80V 100V 125V 150V	Refer to Capacitance	K=±10% M=±20%	Refer to Dimensions and Mounting Form	Refer to Dimensions and Mounting Form

SIZE CODE Cylindrical Case		Unit:mm	
A type Optional mounting bracket available			
B type			
C type			
C1 type			
BL type With two 2.5mm screws, no mounting bracket required			
CL type With three 3.0mm screws, no mounting bracket required			

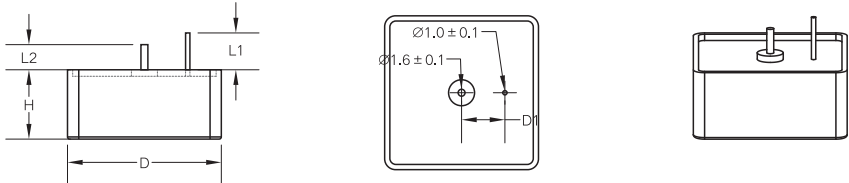
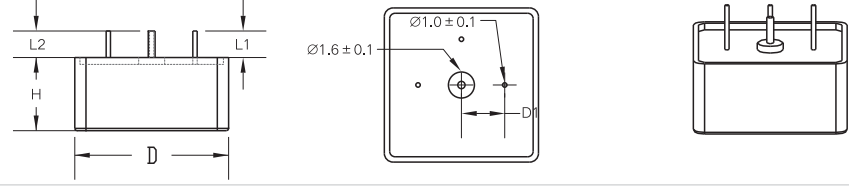
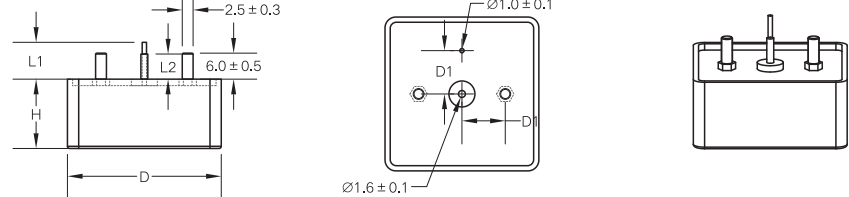
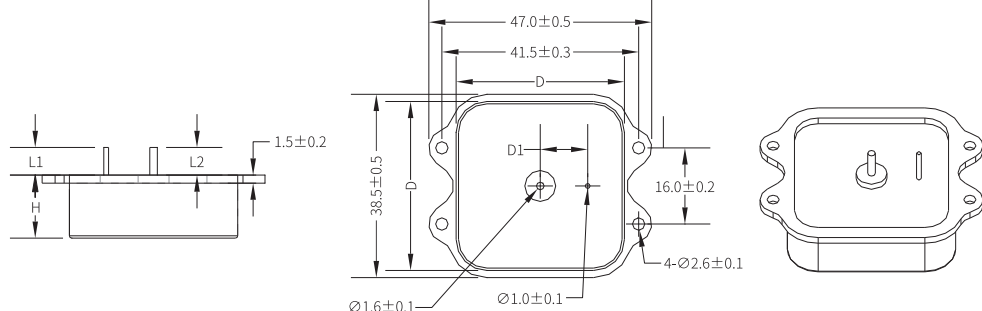
Cylindrical Case							Form Code (with optional mounting bracket)
Series	Case Size	D±0.50	H±0.50	L1min Negative Pole	L2±0.76 Positive Pole	D1±0.38	
CAK36	CA1	Φ12	8.0	7.00	5.84	4.00	A,B,C,C1
	CA2		10.0				
	CA3		12.0				
	CB1	Φ16	8.0	7.00	5.84	5.08	A,B,C,C1
	CB2		10.0				
	CB3		12.0				
	CB4		16.0				
	CC1	Φ19	8.0	7.00	5.84	6.00	A,B,C, C1,BL,CL
	CC2		10.0				
	CC3		12.0				
	CC4		16.0				
	CC5		18.0				
	CC6		20.0				
	CD1	Φ22	8.0	7.00	5.84	7.50	A,B,C, C1,BL,CL
	CD2		10.0				
	CD3		12.0				
	CD4		16.0				
	CD5		18.0				
	CD6		20.0				
	CE1	Φ35.5	8.0	7.00	5.84	10.16	A(A1,A2, A3),B,C, BL,CL
	CE2		10.0				
	CE3		12.0				
	CE4		16.0				
	CE5		18.0				
	CE6		20.0				
	CE7		24.0				

Note: L1 dimension range 2.00-10.00mm, L2 dimension range 2.00-6.50mm
can be customized according to the demand

SIZE CODE Flange Case		Unit:mm					
D type With oval flange, flange position on the bottom possible: 0-H mm							
							
E type with square flange, flange upper face position possible from the bottom: 0-H mm							
							
Series	Case Size	D±0.50	H±0.50	L1min Negative Pole	L2±0.76 Positive Pole	D1±0.38	Mounting Form
CAK36	FE1	Φ35.5	8.00	7.00	5.84	10.16	D,E
	FE2		10.00				
	FE3		12.00				
	FE4		16.00				
	FE5		18.00				
	FE6		20.00				
	FE7		24.00				

Note:L1 dimension range 2.00-10.00mm, L2 dimension range 2.00-6.50mm
can be customized according to the demand

CAK36 Series | HERMETICALLY SEALED HIGH ENERGY TANTALUM CAPACITORS

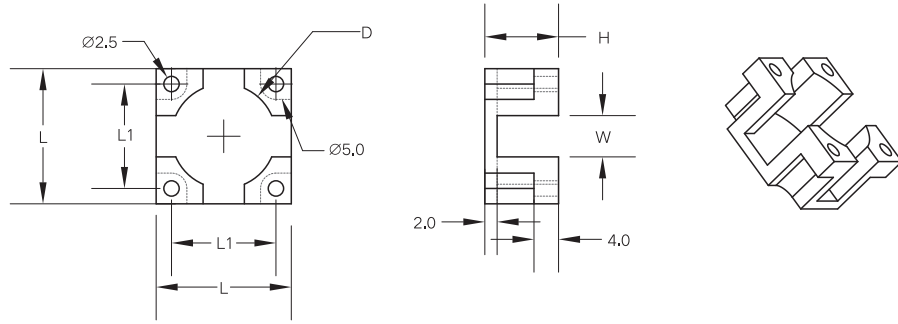
SIZE CODE Square Case				Unit:mm			
F type One negative nickel wire square							
F3 type Three negative nickel wire square							
G type One negative nickel wire square							
F4 type With flange, the position of the upper face of the flange can be at the distance from the bottom: 0-Hmm							
Series	Case Size	D±0.50	H±0.50	L1min Negative Pole	L2±0.76 Positive Pole	D1±0.38	Form code(with optional mounting bracket)
CAK36	SB1	16.00	8.0	7.00	5.84	5.00	F(F1),F3
	SB2		10.0				
	SB3		12.0				
	SB4		16.0				
	SC1	20.00	8.0	7.00	5.84	6.00	F(F1),F3,G
	SC2		10.0				
	SC3		12.0				
	SC4		16.0				
	SC5		18.0				
	SC6		20.0				
	SD1	22.00	8.0	7.00	5.84	7.00	F,F3,G
	SD2		10.0				
	SD3		12.0				
	SD4		16.0				
	SD5		18.0				
	SD6		20.0				
	SE1	35.50	8.0	7.00	5.84	10.16	F(F1),F3, F4,G
	SE2		10.0				
	SE3		12.0				
	SE4		16.0				
	SE5		18.0				
	SE6		20.0				
	SE7		24.0				

Note: L1 dimension range 2.00-10.00mm, L2 dimension range 2.00-6.50mm; can be customized according to the demand

MOUNTING BRACKET

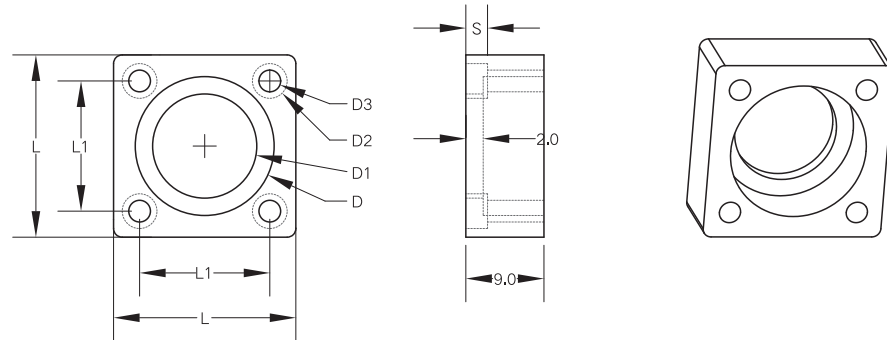
Unit:mm

A1



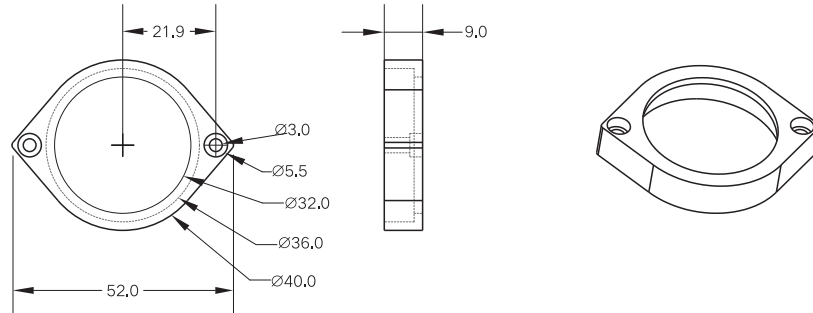
Size	D	L	L1	H	W
Φ16	16.5	22	17	8/12/16	6.7
Φ22	22.5	28	23	8/12/16	9
Φ35.5	36.5	37	32	8/12/16	11.3

A2 (Default)

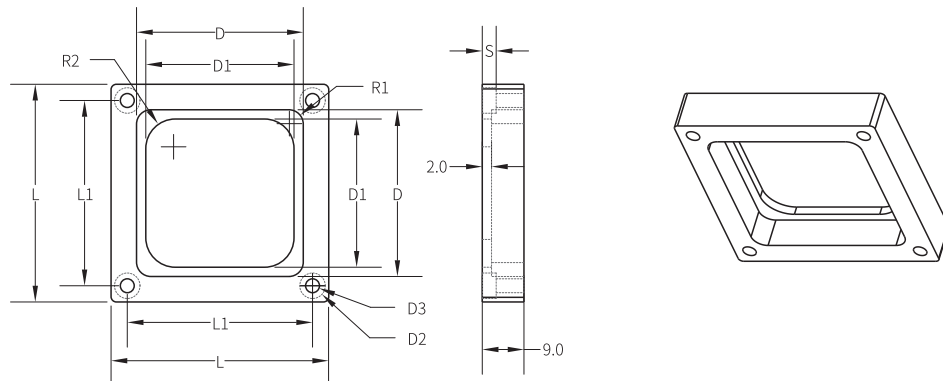


Size	D	L	L1	D1	D2	D3	S
φ12	12.4	16	12	10	3.5	1.7	2.5
φ16	16.5	21	15	12	4.5	2.5	2.5
φ19	19.5	24	18	16	4.5	2.5	2.5
φ22	22.5	28	21	18	5.5	3	3
φ36	36.5	40	32	32	7	4	4

A3(Φ35.5)



F1



Size	D	L	L1	D1	D2	D3	R1	R2	S
16×16	16.5	21.0	17.5	12.0	3.2	1.7	2.5	2.5	2.5
20×20	20.2	30.0	24.0	16.0	5.5	3.0	3.5	4.0	3.5
22×22	22.3	32.0	25.0	18.0	5.5	3.0	3.5	4.0	3.5
36×36	36.2	47.0	39.0	32.0	7.0	4.0	5.5	6.0	4.5

CAPACITANCE AND RATED VOLTAGE RANGE

Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
Rated voltage@85°C:10V Category Voltage@125°C:6V Surge Voltage:11V												
φ12×8	CA1	4000	120	0.600	32	256	320	20.0	-75	85	100	7
φ12×10	CA2	4800	120	0.600	35	280	350	10.0	-75	85	100	8
φ12×12	CA3	8000	120	0.400	60	480	600	10.0	-75	85	100	10
φ16×8	CB1	8000	120	0.200	60	480	600	5.0	-75	85	100	12
φ16×10	CB2	11000	120	0.200	85	680	850	4.0	-75	85	100	14
φ16×12	CB3	15000	120	0.200	120	960	1200	3.6	-75	85	100	17
φ16×16	CB4	22000	120	0.100	180	1440	1800	3.0	-75	85	100	22
φ22×8	CD1	15000	130	0.100	120	960	1200	8.0	-80	85	100	23
φ22×10	CD2	22000	130	0.100	180	1440	1800	6.0	-80	85	100	28
φ22×12	CD3	30000	130	0.100	200	1600	2000	2.4	-80	85	100	33
φ22×16	CD4	45000	130	0.100	200	1600	2000	1.0	-80	85	100	45
φ22×18	CD5	50000	130	0.100	200	1600	2000	1.0	-80	85	100	52
φ22×20	CD6	60000	130	0.100	300	2400	3000	1.0	-80	85	100	60
φ35.5×8	CE1	50000	180	0.050	200	1600	2000	1.0	-80	85	100	52
φ35.5×10	CE2	70000	180	0.050	300	2400	3000	1.0	-80	85	100	68
φ35.5×12	CE3	100000	180	0.035	300	2400	3000	1.0	-80	85	100	80
φ35.5×16	CE4	150000	180	0.025	300	2400	3000	1.0	-80	85	100	100
φ35.5×18	CE5	175000	190	0.025	300	2400	3000	1.0	-80	85	100	120
φ35.5×20	CE6	200000	190	0.025	400	3200	4000	1.0	-80	85	100	140
φ35.5×24	CE7	250000	190	0.025	400	3200	4000	1.0	-80	85	100	160
φ35.5×8	FE1	50000	180	0.050	200	1600	2000	1.0	-80	85	100	65
φ35.5×10	FE2	70000	180	0.050	300	2400	3000	1.0	-80	85	100	80
φ35.5×12	FE3	100000	180	0.035	300	2400	3000	1.0	-80	85	100	90
φ35.5×16	FE4	150000	180	0.025	300	2400	3000	1.0	-80	85	100	115
φ35.5×18	FE5	175000	190	0.025	300	2400	3000	1.0	-80	85	100	135
φ35.5×20	FE6	200000	190	0.025	400	3200	4000	1.0	-80	85	100	160
φ35.5×24	FE7	250000	190	0.025	400	3200	4000	1.0	-80	85	100	180
20×20×8	SC1	20000	130	0.200	120	960	1200	8.0	-80	85	100	23
20×20×10	SC2	26000	130	0.120	180	1440	1800	6.0	-80	85	100	28
20×20×12	SC3	40000	130	0.100	200	1600	2000	4.0	-80	85	100	35
20×20×16	SC4	60000	130	0.070	300	2400	3000	1.0	-80	85	100	45
20×20×18	SC5	72000	130	0.070	300	2400	3000	2.7	-80	85	100	50
20×20×20	SC6	80000	130	0.050	300	2400	3000	2.0	-80	85	100	55
35.5×35.5×8	SE1	60000	180	0.050	300	2400	3000	1.0	-80	85	100	65
35.5×35.5×10	SE2	80000	180	0.050	300	2400	3000	1.0	-80	85	100	85
35.5×35.5×12	SE3	120000	180	0.040	400	3200	4000	1.0	-80	85	100	90
35.5×35.5×16	SE4	180000	180	0.025	400	3200	4000	1.0	-80	85	100	123
35.5×35.5×18	SE5	220000	190	0.025	400	3200	4000	1.0	-80	85	100	145
35.5×35.5×20	SE6	240000	190	0.025	600	4800	6000	1.0	-80	85	100	148
35.5×35.5×24	SE7	300000	190	0.025	700	5600	7000	1.0	-80	85	100	185

CAPACITANCE AND RATED VOLTAGE RANGE

Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
Rated voltage@85°C:16V Category Voltage@125°C:9.6V Surge Voltage:17.6V												
φ12×8	CA1	2000	100	0.600	25	200	250	20.0	-70	85	100	7
φ12×10	CA2	2400	100	0.600	30	240	300	10.0	-70	85	100	8
φ12×12	CA3	4000	100	0.400	50	400	500	10.0	-70	85	100	10
φ16×8	CB1	5000	100	0.200	60	480	600	5.0	-70	85	100	12
φ16×10	CB2	7000	100	0.200	90	720	900	4.0	-70	85	100	14
φ16×12	CB3	9000	100	0.200	110	880	1100	3.6	-70	85	100	17
φ16×16	CB4	13500	100	0.100	170	1360	1700	3.0	-70	85	100	22
φ22×8	CD1	9000	110	0.250	130	1040	1300	8.0	-80	85	100	23
φ22×10	CD2	12000	110	0.100	150	1200	1500	6.0	-80	85	100	28
φ22×12	CD3	18000	110	0.100	200	1600	2000	2.4	-80	85	100	33
φ22×16	CD4	27000	110	0.100	300	2400	3000	1.0	-80	85	100	45
φ22×18	CD5	35000	110	0.100	350	2800	3500	1.0	-80	85	100	52
φ22×20	CD6	36000	110	0.100	400	3200	4000	1.0	-80	85	100	60
φ35.5×8	CE1	30000	160	0.050	150	1200	1500	1.0	-80	85	100	52
φ35.5×10	CE2	40000	160	0.050	200	1600	2000	1.0	-80	85	100	68
φ35.5×12	CE3	60000	165	0.035	300	2400	3000	1.0	-80	85	100	80
φ35.5×16	CE4	90000	165	0.025	300	2400	3000	1.0	-80	85	100	100
φ35.5×18	CE5	100000	170	0.025	400	3200	4000	1.0	-80	85	100	120
φ35.5×20	CE6	120000	170	0.025	400	3200	4000	1.0	-80	85	100	140
φ35.5×24	CE7	150000	170	0.025	600	4800	6000	1.0	-80	85	100	160
φ35.5×8	FE1	30000	160	0.050	150	1200	1500	1.0	-80	85	100	65
φ35.5×10	FE2	40000	160	0.050	200	1600	2000	1.0	-80	85	100	80
φ35.5×12	FE3	60000	165	0.035	300	2400	3000	1.0	-80	85	100	90
φ35.5×16	FE4	90000	165	0.025	300	2400	3000	1.0	-80	85	100	115
φ35.5×18	FE5	100000	170	0.025	400	3200	4000	1.0	-80	85	100	135
φ35.5×20	FE6	120000	170	0.025	400	3200	4000	1.0	-80	85	100	160
φ35.5×24	FE7	150000	170	0.025	600	4800	6000	1.0	-80	85	100	180
20×20×8	SC1	11000	110	0.250	150	1200	1500	8.0	-80	85	100	23
20×20×10	SC2	14300	110	0.120	190	1520	1900	6.0	-80	85	100	28
20×20×12	SC3	22000	110	0.100	190	1520	1900	4.0	-80	85	100	35
20×20×16	SC4	33000	110	0.070	190	1520	1900	1.0	-80	85	100	45
20×20×18	SC5	42900	110	0.070	200	1600	2000	2.7	-80	85	100	50
20×20×20	SC6	44000	110	0.050	300	2400	3000	2.0	-80	85	100	55
35.5×35.5×8	SE1	45000	160	0.050	300	2400	3000	1.0	-80	85	100	65
35.5×35.5×10	SE2	60000	160	0.050	300	2400	3000	1.0	-80	85	100	85
35.5×35.5×12	SE3	90000	165	0.040	400	3200	4000	1.0	-80	85	100	90
35.5×35.5×16	SE4	130000	165	0.025	400	3200	4000	1.0	-80	85	100	123
35.5×35.5×18	SE5	150000	165	0.025	400	3200	4000	1.0	-80	85	100	145
35.5×35.5×20	SE6	160000	165	0.025	500	4000	5000	1.0	-80	85	100	148
35.5×35.5×24	SE7	200000	165	0.025	800	6400	8000	1.0	-80	85	100	185

CAPACITANCE AND RATED VOLTAGE RANGE

Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
Rated voltage@85°C:25V Category Voltage@125°C:15V Surge Voltage:27.5V												
φ12×8	CA1	1500	70	0.600	30	240	300	20.0	-60	80	100	7
φ12×10	CA2	1800	70	0.600	36	288	360	12.0	-60	80	100	8
φ12×12	CA3	3000	70	0.400	60	480	600	10.0	-60	80	100	10
φ16×8	CB1	3000	70	0.200	60	480	600	5.0	-60	80	100	12
φ16×10	CB2	4200	70	0.200	84	672	840	4.0	-60	80	100	14
φ16×12	CB3	6000	70	0.200	120	960	1200	3.6	-60	80	100	17
φ16×16	CB4	9000	70	0.100	180	1440	1800	3.0	-60	80	100	22
φ22×8	CD1	6000	70	0.250	120	960	1200	8.0	-75	80	100	23
φ22×10	CD2	8600	70	0.100	180	1440	1800	6.0	-75	80	100	28
φ22×12	CD3	12000	70	0.100	240	1920	2400	2.4	-75	80	100	33
φ22×16	CD4	18000	70	0.100	360	2880	3600	1.0	-75	80	100	45
φ22×18	CD5	22000	70	0.100	440	3520	4400	1.0	-75	80	100	52
φ22×20	CD6	24000	70	0.100	480	3840	4800	1.0	-75	80	100	60
φ35.5×8	CE1	18000	120	0.050	150	1200	1500	1.0	-75	80	100	52
φ35.5×10	CE2	25000	120	0.050	200	1600	2000	1.0	-75	80	100	68
φ35.5×12	CE3	36000	130	0.040	300	2400	3000	1.0	-75	80	100	80
φ35.5×16	CE4	54000	130	0.035	350	2800	3500	1.0	-75	80	100	100
φ35.5×18	CE5	70000	140	0.025	400	3200	4000	1.0	-75	80	100	120
φ35.5×20	CE6	70000	140	0.025	400	3200	4000	1.0	-75	80	100	140
φ35.5×24	CE7	90000	140	0.025	500	4000	5000	1.0	-75	80	100	160
φ35.5×8	FE1	18000	120	0.050	150	1200	1500	1.0	-75	80	100	65
φ35.5×10	FE2	25000	120	0.050	200	1600	2000	1.0	-75	80	100	80
φ35.5×12	FE3	36000	130	0.040	300	2400	3000	1.0	-75	80	100	90
φ35.5×16	FE4	54000	130	0.035	350	2800	3500	1.0	-75	80	100	115
φ35.5×18	FE5	70000	140	0.025	400	3200	4000	1.0	-75	80	100	135
φ35.5×20	FE6	70000	140	0.025	400	3200	4000	1.0	-75	80	100	160
φ35.5×24	FE7	90000	140	0.025	500	4000	5000	1.0	-75	80	100	180
20×20×8	SC1	6700	85	0.250	125	1000	1250	8.0	-75	80	100	23
20×20×10	SC2	8700	85	0.120	180	1440	1800	6.0	-75	80	100	28
20×20×12	SC3	13400	85	0.100	268	2144	2680	4.0	-75	80	100	35
20×20×16	SC4	20100	85	0.070	400	3200	4000	1.0	-75	80	100	45
20×20×18	SC5	26000	85	0.070	500	4000	5000	2.7	-75	80	100	50
20×20×20	SC6	26800	85	0.050	500	4000	5000	2.0	-75	80	100	55
35.5×35.5×8	SE1	25000	120	0.050	200	1600	2000	1.0	-75	80	100	65
35.5×35.5×10	SE2	35000	120	0.050	300	2400	3000	1.0	-75	80	100	85
35.5×35.5×12	SE3	50000	130	0.045	400	3200	4000	1.0	-75	80	100	90
35.5×35.5×16	SE4	75000	130	0.035	400	3200	4000	1.0	-75	80	100	123
35.5×35.5×18	SE5	85000	130	0.035	500	4000	5000	1.0	-75	80	100	145
35.5×35.5×20	SE6	100000	140	0.030	500	4000	5000	1.0	-75	80	100	148
35.5×35.5×24	SE7	125000	140	0.030	700	5600	7000	1.0	-75	80	100	185

CAPACITANCE AND RATED VOLTAGE RANGE

Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
Rated voltage@85°C:35V Category Voltage@125°C:20V Surge Voltage:38.5V												
φ12×8	CA1	1000	50	0.600	28	224	280	20.0	-60	80	100	7
φ12×10	CA2	1200	50	0.600	33	264	330	12.0	-60	80	100	8
φ12×12	CA3	2000	50	0.400	56	448	560	10.0	-60	80	100	10
φ16×8	CB1	2500	50	0.200	70	560	700	5.0	-60	80	100	12
φ16×10	CB2	3500	50	0.200	98	784	980	4.0	-60	80	100	14
φ16×12	CB3	4600	50	0.200	130	1040	1300	4.0	-60	80	100	17
φ16×16	CB4	7000	50	0.100	200	1600	2000	3.0	-60	80	100	22
φ22×8	CD1	5200	55	0.250	150	1200	1500	8.0	-70	80	100	23
φ22×10	CD2	6600	55	0.120	200	1600	2000	6.0	-70	80	100	28
φ22×12	CD3	10400	55	0.100	290	2320	2900	2.4	-70	80	100	33
φ22×16	CD4	15600	55	0.100	200	1600	2000	1.0	-70	80	100	45
φ22×18	CD5	18000	55	0.100	200	1600	2000	1.0	-70	80	100	52
φ22×20	CD6	20800	55	0.100	300	2400	3000	1.0	-70	80	100	60
φ35.5×8	CE1	12000	90	0.065	150	1200	1500	1.0	-70	75	100	52
φ35.5×10	CE2	16000	90	0.065	200	1600	2000	1.2	-70	75	100	68
φ35.5×12	CE3	24000	95	0.040	300	2400	3000	1.0	-70	75	100	80
φ35.5×16	CE4	36000	95	0.035	300	2400	3000	1.0	-70	75	100	100
φ35.5×18	CE5	40000	100	0.025	400	3200	4000	1.0	-70	75	100	120
φ35.5×20	CE6	50000	100	0.025	400	3200	4000	1.0	-70	75	100	140
φ35.5×24	CE7	60000	100	0.025	500	4000	5000	1.0	-70	75	100	160
φ35.5×8	FE1	12000	90	0.065	150	1200	1500	2.0	-70	75	100	65
φ35.5×10	FE2	16000	90	0.065	200	1600	2000	1.2	-70	75	100	80
φ35.5×12	FE3	24000	95	0.040	300	2400	3000	1.0	-70	75	100	90
φ35.5×16	FE4	36000	95	0.035	300	2400	3000	1.0	-70	75	100	115
φ35.5×18	FE5	40000	100	0.025	400	3200	4000	1.0	-70	75	100	135
φ35.5×20	FE6	50000	100	0.025	400	3200	4000	1.0	-70	75	100	160
φ35.5×24	FE7	60000	100	0.025	500	4000	5000	1.0	-70	75	100	180
20×20×8	SC1	4500	55	0.250	120	960	1200	8.0	-70	80	100	23
20×20×10	SC2	5800	55	0.120	170	1360	1700	6.0	-70	80	100	28
20×20×12	SC3	9000	55	0.100	250	2000	2500	4.0	-70	80	100	35
20×20×16	SC4	13500	55	0.070	380	3040	3800	1.0	-70	80	100	45
20×20×18	SC5	15000	55	0.070	500	4000	5000	2.7	-70	80	100	50
20×20×20	SC6	18000	55	0.050	500	4000	5000	2.0	-70	80	100	55
35.5×35.5×8	SE1	16000	90	0.065	200	1600	2000	1.0	-70	80	100	65
35.5×35.5×10	SE2	22000	95	0.070	300	2400	3000	1.0	-70	80	100	85
35.5×35.5×12	SE3	33000	95	0.050	300	2400	3000	1.0	-70	80	100	90
35.5×35.5×16	SE4	50000	95	0.035	400	3200	4000	1.0	-70	80	100	123
35.5×35.5×18	SE5	58000	95	0.035	400	3200	4000	1.0	-70	80	100	145
35.5×35.5×20	SE6	65000	100	0.030	400	3200	4000	1.0	-70	80	100	148
35.5×35.5×24	SE7	75000	100	0.030	700	5600	7000	1.0	-70	80	100	185

CAPACITANCE AND RATED VOLTAGE RANGE

Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
Rated voltage@85°C:50V Category Voltage@125°C:30V Surge Voltage:55V												
φ12×8	CA1	700	40	0.600	25	200	250	13.0	-45	70	100	7
φ12×8	CA1	840	40	0.600	30	240	300	13.0	-45	70	100	7
φ12×10	CA2	840	40	0.600	30	240	300	13.0	-45	70	100	8
φ12×12	CA3	1400	40	0.400	55	440	550	10.0	-45	70	100	10
φ16×8	CB1	1400	40	0.250	50	400	500	5.2	-45	70	100	12
φ16×8	CB1	1500	40	0.250	50	400	500	5.2	-45	70	100	12
φ16×10	CB2	2000	40	0.250	60	480	600	4.0	-55	70	100	14
φ16×12	CB3	2800	40	0.200	100	800	1000	4.0	-55	70	100	17
φ16×12	CB3	3400	45	0.200	130	1040	1300	4.0	-60	70	100	17
φ16×16	CB4	4200	40	0.100	150	1200	1500	2.1	-55	70	100	22
φ19×12	CC3	6000	45	0.100	170	1360	1700	1.2	-60	70	100	35
φ22×8	CD1	2500	45	0.300	80	640	800	9.6	-60	70	100	23
φ22×8	CD1	3000	45	0.300	100	800	1000	9.6	-60	70	100	23
φ22×10	CD2	4200	45	0.120	100	800	1000	6.0	-65	70	100	28
φ22×12	CD3	6000	45	0.100	170	1360	1700	1.2	-60	70	100	33
φ22×12	CD3	6800	45	0.100	170	1360	1700	1.2	-60	70	100	33
φ22×16	CD4	9000	45	0.100	350	2800	3500	1.0	-60	70	100	45
φ22×18	CD5	11000	50	0.100	400	3200	4000	1.0	-65	70	100	52
φ22×20	CD6	12000	55	0.100	450	3600	4500	1.0	-60	70	100	60
φ35.5×8	CE1	8000	65	0.070	140	1120	1400	1.2	-60	70	100	52
φ35.5×8	CE1	10000	65	0.070	200	1600	2000	1.2	-75	70	100	52
φ35.5×10	CE2	11000	65	0.070	250	2000	2500	1.2	-60	70	100	68
φ35.5×12	CE3	16000	65	0.040	250	2000	2500	1.2	-55	70	100	80
φ35.5×12	CE3	18000	65	0.040	400	3200	4000	1.5	-55	70	100	80
φ35.5×16	CE4	16000	70	0.045	400	3200	4000	2.5	-45	70	100	100
φ35.5×16	CE4	24000	70	0.035	350	2800	3500	1.2	-55	70	100	100
φ35.5×18	CE5	30000	75	0.025	400	3200	4000	1.2	-60	70	100	120
φ35.5×20	CE6	32000	75	0.025	500	4000	5000	1.2	-60	70	100	140
φ35.5×24	CE7	40000	75	0.025	600	4800	6000	1.2	-60	70	100	160
φ35.5×8	FE1	8000	65	0.070	140	1120	1400	1.2	-60	70	100	65
φ35.5×10	FE2	11000	65	0.070	250	2000	2500	1.2	-60	70	100	80
φ35.5×12	FE3	16000	70	0.040	250	2000	2500	1.2	-55	70	100	90
φ35.5×16	FE4	24000	70	0.035	350	2800	3500	1.2	-55	70	100	115
φ35.5×18	FE5	30000	75	0.025	400	3200	4000	1.2	-60	70	100	135
φ35.5×20	FE6	32000	75	0.025	500	4000	5000	1.2	-60	70	100	160
φ35.5×24	FE7	40000	75	0.025	600	4800	6000	1.2	-60	70	100	180
16×16×8	SB1	2200	50	0.350	80	640	800	10.0	-70	70	100	15
16×16×10	SB2	3600	50	0.300	100	800	1000	8.0	-70	70	100	17
16×16×12	SB3	4500	50	0.300	170	1360	1700	5.0	-70	70	100	20
16×16×16	SB4	6600	50	0.250	240	1920	2400	4.0	-70	70	100	25
20×20×8	SC1	3500	60	0.300	120	960	1200	8.0	-60	70	100	23

CAPACITANCE AND RATED VOLTAGE RANGE

Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
20×20×10	SC2	4500	60	0.150	150	1200	1500	6.0	-65	70	100	28
20×20×12	SC3	7000	60	0.130	250	2000	2500	4.0	-60	70	100	35
20×20×16	SC4	10000	60	0.100	400	3200	4000	2.7	-60	70	100	45
20×20×18	SC5	12000	60	0.080	500	4000	5000	2.7	-60	70	100	50
20×20×20	SC6	14000	70	0.060	500	4000	5000	2.0	-65	70	100	55
35.5×35.5×8	SE1	10000	65	0.070	200	1600	2000	1.2	-60	70	100	65
35.5×35.5×10	SE2	15000	70	0.070	300	2400	3000	1.2	-60	70	100	85
35.5×35.5×12	SE3	20000	75	0.050	350	2800	3500	1.2	-60	70	100	90
35.5×35.5×16	SE4	30000	75	0.035	450	3600	4500	1.2	-55	70	100	123
35.5×35.5×18	SE5	35000	75	0.035	450	3600	4500	1.2	-55	70	100	145
35.5×35.5×20	SE6	40000	75	0.030	500	4000	5000	1.2	-65	70	100	148
35.5×35.5×24	SE7	45000	80	0.030	650	5200	6500	1.0	-70	70	100	185

CAPACITANCE AND RATED VOLTAGE RANGE

Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
Rated voltage@85°C:63V Category Voltage@125°C:38V Surge Voltage:69.3V												
φ12×8	CA1	500	30	1.4	25	200	250	20	-40	70	100	8
φ12×10	CA2	600	30	1.4	30	240	300	17	-45	70	100	9
φ12×12	CA3	1000	30	0.8	50	400	500	12	-40	70	100	11
φ16×8	CB1	600	30	0.35	30	240	300	8.2	-40	70	100	12
φ16×8	CB1	1000	30	0.35	50	400	500	8.2	-40	70	100	12
φ16×10	CB2	800	30	0.29	40	320	400	8	-40	70	100	15
φ16×12	CB3	1800	30	0.25	90	720	900	6.8	-40	70	100	18
φ16×16	CB4	2200	40	0.15	110	880	1100	5	-40	70	100	25
φ22×8	CD1	1200	35	0.4	65	520	650	11.2	-40	70	100	25
φ22×10	CD2	1800	35	0.2	90	720	900	8	-50	70	100	30
φ22×12	CD3	2600	35	0.2	150	1200	1500	8	-40	70	100	33
φ22×16	CD4	3900	35	0.2	180	1440	1800	8	-40	70	100	50
φ22×18	CD5	4500	35	0.2	200	1600	2000	8	-40	70	100	55
φ22×20	CD6	5200	35	0.15	250	2000	2500	4	-40	70	100	65
φ35.5×8	CE1	4000	45	0.1	150	1200	1500	1.4	-40	70	100	52
φ35.5×10	CE2	5600	45	0.08	200	1600	2000	1.4	-40	70	100	72
φ35.5×12	CE3	8000	50	0.055	250	2000	2500	1.4	-45	70	100	80
φ35.5×16	CE4	12000	50	0.035	350	2800	3500	1.4	-45	70	100	110
φ35.5×18	CE5	16000	55	0.035	400	3200	4000	1.4	-40	70	100	120
φ35.5×20	CE6	16000	55	0.035	400	3200	4000	1.4	-40	70	100	140
φ35.5×24	CE7	20000	55	0.035	550	4400	5500	1.4	-40	70	100	165
φ35.5×8	FE1	4000	45	0.1	150	1200	1500	1.4	-40	70	100	68
φ35.5×10	FE2	5600	45	0.08	200	1600	2000	1.4	-40	70	100	85
φ35.5×12	FE3	8000	50	0.055	250	2000	2500	1.4	-45	70	100	90
φ35.5×16	FE4	12000	50	0.035	350	2800	3500	1.4	-45	70	100	115
φ35.5×18	FE5	16000	55	0.035	400	3200	4000	1.4	-40	70	100	135
φ35.5×20	FE6	16000	55	0.035	400	3200	4000	1.4	-40	70	100	160
φ35.5×24	FE7	20000	55	0.035	550	4400	5500	1.4	-40	70	100	180
20×20×8	SC1	2200	35	0.4	100	800	1000	12	-50	70	100	23
20×20×10	SC2	2800	35	0.15	150	1200	1500	8	-55	70	100	28
20×20×12	SC3	4400	35	0.15	200	1600	2000	8	-50	70	100	38
20×20×16	SC4	6600	35	0.2	300	2400	3000	8	-50	70	100	45
20×20×18	SC5	8800	35	0.2	350	2800	3500	8	-55	70	100	52
20×20×20	SC6	8800	35	0.08	350	2800	3500	4	-50	70	100	58
35.5×35.5×8	SE1	6000	35	0.1	300	2400	3000	1.4	-40	70	100	70
35.5×35.5×10	SE2	8400	35	0.08	350	2800	3500	1.5	-40	70	100	85
35.5×35.5×12	SE3	11000	40	0.06	400	3200	4000	1.4	-45	70	100	95
35.5×35.5×16	SE4	16000	40	0.035	500	4000	5000	1.4	-45	70	100	125
35.5×35.5×18	SE5	20000	40	0.035	500	4000	5000	1.4	-45	70	100	148
35.5×35.5×20	SE6	20000	40	0.035	500	4000	5000	1.4	-45	70	100	150
35.5×35.5×24	SE7	24000	40	0.035	600	4800	6000	1.4	-45	70	100	190

CAPACITANCE AND RATED VOLTAGE RANGE

Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
Rated voltage@85°C:80V Category Voltage@125°C:48V Surge Voltage:88V												
φ12×8	CA1	400	25	1.600	25	200	250	20.0	-35	70	75	8
φ12×10	CA2	480	25	1.600	30	240	300	17.0	-35	70	75	9
φ12×12	CA3	800	25	1.000	50	400	500	12.0	-35	70	75	11
φ16×8	CB1	500	25	0.350	30	240	300	10.0	-35	70	75	12
φ16×10	CB2	700	25	0.290	45	360	450	10.0	-35	70	75	15
φ16×12	CB3	1000	25	0.250	64	512	640	8.0	-35	70	75	18
φ16×16	CB4	1500	25	0.150	96	768	960	6.2	-35	70	75	25
φ22×8	CD1	860	30	0.400	65	520	650	12.0	-35	70	75	25
φ22×8	CD1	1100	30	0.400	70	560	700	12.0	-45	70	70	25
φ22×10	CD2	1500	30	0.300	96	768	960	8.0	-50	70	70	30
φ22×12	CD3	2200	30	0.200	140	1120	1400	8.0	-45	70	70	35
φ22×16	CD4	3300	30	0.200	210	1680	2100	8.0	-45	70	70	50
φ22×18	CD5	4000	30	0.200	250	2000	2500	8.0	-50	70	70	55
φ22×20	CD6	4400	30	0.150	280	2240	2800	6.0	-35	70	70	65
φ35.5×8	CE1	2800	40	0.100	150	1200	1500	1.6	-35	50	65	55
φ35.5×10	CE2	3600	40	0.100	200	1600	2000	1.6	-40	50	65	72
φ35.5×12	CE3	5600	40	0.060	300	2400	3000	1.6	-40	50	65	85
φ35.5×16	CE4	8200	40	0.060	450	3600	4500	1.6	-40	50	65	110
φ35.5×18	CE5	11000	45	0.060	500	4000	5000	1.6	-50	50	65	120
φ35.5×20	CE6	11000	45	0.035	500	4000	5000	1.6	-50	50	65	140
φ35.5×24	CE7	14000	45	0.035	800	6400	8000	1.6	-50	50	65	165
φ35.5×8	FE1	2800	40	0.100	150	1200	1500	1.6	-35	50	65	68
φ35.5×10	FE2	3600	40	0.100	200	1600	2000	1.6	-40	50	65	85
φ35.5×12	FE3	5600	40	0.060	300	2400	3000	1.6	-40	50	65	95
φ35.5×16	FE4	8200	40	0.060	450	3600	4500	1.6	-40	50	65	115
φ35.5×18	FE5	11000	45	0.060	500	4000	5000	1.6	-50	50	65	135
φ35.5×20	FE6	11000	45	0.035	500	4000	5000	1.6	-50	50	65	160
φ35.5×24	FE7	14000	45	0.035	800	6400	8000	1.6	-50	50	65	180
20×20×8	SC1	1200	30	0.400	90	720	900	12.0	-40	70	70	25
20×20×10	SC2	1600	30	0.200	120	960	1200	8.0	-50	70	70	30
20×20×12	SC3	2400	30	0.200	180	1440	1800	8.0	-40	70	70	38
20×20×16	SC4	3600	30	0.200	270	2160	2700	8.0	-40	70	70	48
20×20×18	SC5	4200	30	0.200	350	2800	3500	8.0	-50	70	70	52
20×20×20	SC6	4800	30	0.080	350	2800	3500	6.0	-40	70	70	58
35.5×35.5×8	SE1	3500	30	0.100	200	1600	2000	1.6	-35	70	70	70
35.5×35.5×10	SE2	4500	30	0.080	300	2400	3000	1.4	-40	70	70	88
35.5×35.5×12	SE3	6800	30	0.060	450	3600	4500	1.6	-40	70	70	95
35.5×35.5×16	SE4	10000	30	0.040	500	4000	5000	1.6	-40	70	70	125
35.5×35.5×18	SE5	12000	30	0.040	500	4000	5000	1.6	-40	70	70	150
35.5×35.5×20	SE6	14000	25	0.050	700	5600	7000	1.6	-25	45	50	155
35.5×35.5×24	SE7	16000	35	0.050	700	5600	7000	1.6	-25	45	50	190

CAPACITANCE AND RATED VOLTAGE RANGE

Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
Rated voltage@85°C:100V Category Voltage@125°C:60V Surge Voltage:110V												
φ12×8	CA1	100	25	2.200	24	192	240	24.0	-25	65	70	8
φ12×10	CA2	130	25	2.200	30	240	300	20.0	-25	65	70	9
φ12×12	CA3	200	25	1.200	50	400	500	12.0	-25	65	70	11
φ16×8	CB1	180	25	0.900	15	120	150	18.0	-25	65	70	12
φ16×10	CB2	250	25	0.900	20	160	200	18.0	-25	65	70	15
φ16×12	CB3	360	25	0.350	30	240	300	16.0	-25	65	70	18
φ16×16	CB4	540	25	0.350	45	360	450	14.0	-25	65	70	25
φ22×8	CD1	400	25	0.500	30	240	300	14.0	-35	65	70	25
φ22×10	CD2	540	25	0.300	45	360	450	8.0	-35	65	70	30
φ22×12	CD3	800	25	0.200	65	520	650	10.0	-35	65	70	36
φ22×16	CD4	1200	25	0.200	100	800	1000	8.0	-35	65	70	50
φ22×18	CD5	1500	25	0.200	200	1600	2000	8.0	-35	65	70	55
φ22×20	CD6	1600	25	0.150	200	1600	2000	6.0	-35	65	70	65
φ35.5×8	CE1	1200	35	0.250	150	1200	1500	4.0	-40	65	70	55
φ35.5×10	CE2	1600	35	0.130	200	1600	2000	3.0	-40	65	70	72
φ35.5×12	CE3	2400	35	0.100	200	1600	2000	1.8	-35	65	70	85
φ35.5×16	CE4	3600	35	0.075	200	1600	2000	1.8	-35	65	70	110
φ35.5×18	CE5	4200	40	0.075	200	1600	2000	1.8	-55	65	70	130
φ35.5×20	CE6	4800	40	0.065	200	1600	2000	1.8	-35	65	70	150
φ35.5×24	CE7	6000	40	0.065	200	1600	2000	1.8	-35	65	70	165
φ35.5×24	CE7	10000	40	0.040	800	6400	8000	1.0	-55	65	70	175
φ35.5×8	FE1	1200	35	0.250	150	1200	1500	4.0	-40	65	70	70
φ35.5×10	FE2	1600	35	0.130	200	1600	2000	3.0	-40	65	70	85
φ35.5×12	FE3	2400	35	0.100	200	1600	2000	1.8	-35	65	70	95
φ35.5×16	FE4	3600	35	0.075	200	1600	2000	1.8	-35	65	70	125
φ35.5×18	FE5	4200	40	0.075	200	1600	2000	1.8	-55	65	70	140
φ35.5×20	FE6	4800	40	0.065	200	1600	2000	1.8	-35	65	70	160
φ35.5×24	FE7	6000	40	0.065	200	1600	2000	1.8	-35	65	70	180
20×20×8	SC1	420	25	0.600	65	520	650	14.0	-35	65	70	26
20×20×10	SC2	550	25	0.300	85	680	850	8.0	-35	65	70	32
20×20×12	SC3	840	25	0.300	200	1600	2000	10.0	-35	65	70	40
20×20×16	SC4	1260	25	0.200	300	2400	3000	8.0	-35	65	70	50
20×20×18	SC5	1500	25	0.200	400	3200	4000	8.0	-35	65	70	56
20×20×20	SC6	1680	25	0.150	400	3200	4000	6.0	-35	65	70	62
35.5×35.5×8	SE1	2200	25	0.150	300	2400	3000	4.0	-35	65	70	75
35.5×35.5×10	SE2	3000	25	0.100	400	3200	4000	2.0	-35	65	70	88
35.5×35.5×12	SE3	4500	25	0.080	500	4000	5000	1.8	-35	65	70	100
35.5×35.5×16	SE4	7000	40	0.050	500	4000	5000	1.8	-35	65	70	130
35.5×35.5×18	SE5	8000	40	0.050	500	4000	5000	1.8	-35	65	70	165
35.5×35.5×20	SE6	9000	25	0.050	700	4200	7000	1.8	-25	80	70	165
35.5×35.5×24	SE7	10000	40	0.050	800	6400	8000	2.0	-35	65	70	200

CAPACITANCE AND RATED VOLTAGE RANGE

Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
Rated voltage@85°C:125V Category Voltage@125°C:75V Surge Voltage:137.5V												
φ16×8	CB1	100	20	1.500	10	80	100	30.0	-20	45	50	12
φ16×10	CB2	150	20	1.500	20	160	200	18.0	-20	45	50	15
φ16×12	CB3	200	20	0.400	20	160	200	18.0	-20	45	50	18
φ16×16	CB4	300	20	0.400	45	360	450	16.0	-20	45	50	25
φ22×8	CD1	300	25	0.600	30	240	300	20.0	-20	45	50	25
φ22×10	CD2	400	25	0.400	45	360	450	12.0	-20	45	50	30
φ22×12	CD3	600	25	0.240	45	360	450	10.0	-20	45	50	38
φ22×16	CD4	900	25	0.250	90	720	900	10.0	-20	45	50	50
φ22×18	CD5	1100	25	0.250	150	1200	1500	10.0	-20	45	50	55
φ22×20	CD6	1200	25	0.200	200	1600	2000	8.0	-20	45	50	65
φ35.5×8	CE1	1100	35	0.200	150	1200	1500	8.0	-45	35	40	58
φ35.5×10	CE2	1500	35	0.200	150	1200	1500	8.0	-45	35	40	72
φ35.5×12	CE3	2200	35	0.180	300	2400	3000	2.5	-45	35	40	85
φ35.5×16	CE4	3300	30	0.100	450	3600	4500	2.5	-45	35	40	115
φ35.5×18	CE5	3300	35	0.075	500	4000	5000	2.5	-40	35	40	130
φ35.5×18	CE5	4500	35	0.075	500	4000	5000	2.5	-45	35	40	130
φ35.5×20	CE6	4500	35	0.050	500	4000	5000	2.5	-45	35	40	158
φ35.5×24	CE7	5500	35	0.050	550	4400	5500	2.5	-50	35	40	180
φ35.5×8	FE1	1100	35	0.200	150	1200	1500	8.0	-45	35	40	70
φ35.5×10	FE2	1500	35	0.200	150	1200	1500	8.0	-45	35	40	85
φ35.5×12	FE3	2200	35	0.180	300	2400	3000	8.0	-45	35	40	100
φ35.5×16	FE4	3300	30	0.100	450	3600	4500	2.5	-45	35	40	130
φ35.5×18	FE5	4500	35	0.050	500	4000	5000	2.5	-45	35	40	145
φ35.5×20	FE6	5000	35	0.050	500	4000	5000	2.5	-45	35	40	170
φ35.5×24	FE7	5500	35	0.050	550	4400	5500	2.5	-50	35	40	180
20×20×8	SC1	320	25	0.800	50	400	500	20.0	-20	45	50	28
20×20×10	SC2	420	25	0.400	65	520	650	12.0	-20	45	50	34
20×20×12	SC3	640	25	0.400	150	1200	1500	10.0	-20	45	50	40
20×20×16	SC4	960	25	0.270	200	1600	2000	10.0	-20	45	50	52
20×20×18	SC5	1100	25	0.270	300	2400	3000	10.0	-20	45	50	60
20×20×20	SC6	1280	25	0.200	350	2800	3500	8.0	-20	45	50	66
35.5×35.5×8	SE1	1400	25	0.200	250	2000	2500	8.0	-25	45	50	80
35.5×35.5×10	SE2	1800	25	0.120	300	2400	3000	2.4	-25	45	50	95
35.5×35.5×12	SE3	2800	25	0.100	450	3600	4500	2.4	-25	45	50	110
35.5×35.5×16	SE4	4200	25	0.065	500	4000	5000	2.4	-25	45	50	140
35.5×35.5×18	SE5	4800	25	0.065	500	4000	5000	2.4	-25	45	50	165
35.5×35.5×20	SE6	5600	25	0.050	700	5600	7000	2.4	-25	45	50	165
35.5×35.5×24	SE7	7000	35	0.050	700	5600	7000	2.4	-25	45	50	200

CAPACITANCE AND RATED VOLTAGE RANGE

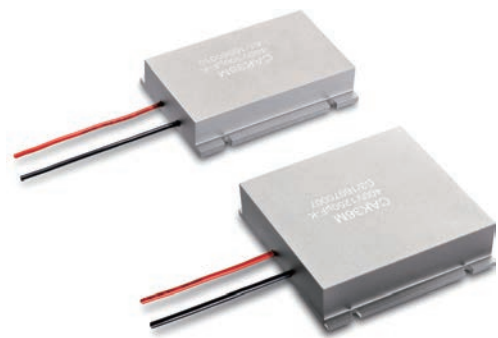
Size	Size Code	Rated Cap (μF)	Maximum Value									Product Weight* (g)
			Tgδ(%)	ESR(Ω) 1kHz	Max DCL(μA)			Max Impedance (Ω) at -55°C 100Hz	Max Cap Deviation(%)			
					25°C	85°C	125°C		-55°C	85°C	125°C	
Rated voltage@85°C:150V Category Voltage@125°C:90V Surge Voltage:165V												
φ16×8	CB1	100	20	1.500	15	120	150	36.0	-40	35	50	12
φ16×10	CB2	140	20	1.500	22	176	220	20.0	-40	35	50	15
φ16×12	CB3	200	20	1.000	30	240	300	20.0	-40	35	50	18
φ16×16	CB4	300	20	0.800	45	360	450	26.0	-40	35	50	25
φ22×8	CD1	200	25	1.200	30	240	300	25.0	-40	35	50	25
φ22×10	CD2	280	25	0.600	42	336	420	20.0	-40	35	50	35
φ22×12	CD3	400	25	0.360	60	480	600	26.0	-40	35	50	40
φ22×12	CD3	470	15	0.360	50	400	500	26.0	-40	15	25	40
φ22×16	CD4	600	25	0.300	90	720	900	15.0	-40	35	50	55
φ22×18	CD5	700	25	0.500	105	840	1050	15.0	-40	35	50	58
φ22×20	CD6	800	25	0.200	120	960	1200	12.0	-40	35	50	70
φ35.5×8	CE1	680	20	0.300	102	816	1020	10.0	-40	35	40	60
φ35.5×10	CE2	820	20	0.200	123	984	1230	6.0	-40	35	40	72
φ35.5×12	CE3	1200	20	0.200	180	1440	1800	5.0	-40	35	40	90
φ35.5×16	CE4	1800	20	0.200	270	2160	2700	5.0	-40	35	40	120
φ35.5×18	CE5	2000	20	0.200	300	2400	3000	5.0	-40	35	40	135
φ35.5×20	CE6	2400	20	0.090	360	2880	3600	5.0	-40	35	40	160
φ35.5×24	CE7	3000	20	0.085	450	3600	4500	5.0	-40	35	40	180
φ35.5×8	FE1	680	20	0.300	102	816	1020	10.0	-40	35	40	73
φ35.5×10	FE2	820	20	0.200	123	984	1230	6.0	-40	35	40	90
φ35.5×12	FE3	1200	20	0.200	180	1440	1800	5.0	-40	35	40	105
φ35.5×16	FE4	1800	20	0.200	270	2160	2700	5.0	-40	35	40	135
φ35.5×18	FE5	2000	20	0.200	300	2400	3000	5.0	-40	35	40	152
φ35.5×20	FE6	2400	20	0.090	360	2880	3600	5.0	-40	35	40	180
φ35.5×24	FE7	3000	20	0.085	450	3600	4500	5.0	-40	35	40	200
20×20×8	SC1	210	25	1.200	40	320	400	25.0	-40	45	50	30
20×20×10	SC2	280	25	0.800	42	336	420	20.0	-40	45	50	35
20×20×12	SC3	420	25	0.600	63	504	630	26.0	-40	45	50	45
20×20×16	SC4	630	25	0.400	120	960	1200	15.0	-40	45	50	55
20×20×18	SC5	760	25	0.400	120	960	1200	15.0	-40	45	50	62
20×20×20	SC6	840	25	0.300	126	1008	1260	12.0	-40	45	50	70
35.5×35.5×8	SE1	800	25	0.300	120	960	1200	10.0	-40	45	50	85
35.5×35.5×10	SE2	900	25	0.180	135	1080	1350	5.0	-40	45	50	95
35.5×35.5×12	SE3	1600	25	0.150	240	1920	2400	5.0	-40	45	50	120
35.5×35.5×16	SE4	2400	25	0.120	360	2880	3600	5.0	-40	45	50	150
35.5×35.5×18	SE5	3000	25	0.120	360	2880	3600	5.0	-40	45	50	180
35.5×35.5×20	SE6	3200	25	0.100	480	3840	4800	5.0	-40	45	50	200
35.5×35.5×24	SE7	4000	35	0.075	600	4800	6000	5.0	-40	45	50	220

MEASUREMENT CONDITIONS

- Capacitance and DF are measured at 100Hz, 1V RMS with DC bias of 2.2V.
- Leakage Current is measured at rated voltage after 5 minutes.
- ESR is measured at 1kHz, 0.5V RMS with DC bias of 2.2V.

FEATURES

- Operating temperature:-55°C+125°C
- Voltage:10V-500V
- Accelerated steady state aging: 100%
- Temperature stability:100%
- Barometric pressure:100%
- Very high energy
- Higher voltage and higher capacitance
- Accept customization



APPLICATIONS

Typical applications include energy storage and power compensation.

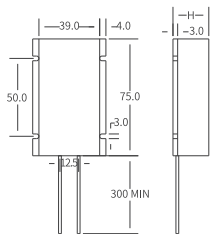
ORDERING INFORMATION

CAK36M	-400V	-1250μF	-K	-C3
Series	Rated Voltage	Capacitance	Capacitance Tolerance	Case Size
Combined Hermetically Sealed High Energy Tantalum Capacitors For High Reliability	10V 16V 25V 35V 50V 63V 80V 100V 110V 125V 150V 200V 250V 300V 400V 500V	Refer to Capacitance	K=±10% M=±20%	Refer to Dimensions and Mounting Form

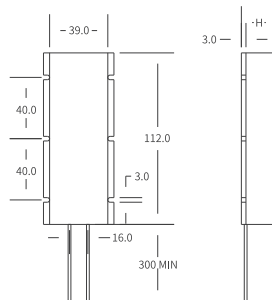
DIMENSIONS

Unit:mm

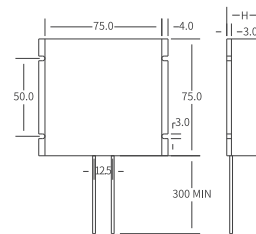
Case Size	L±1	W±1	H±1
A1	75	47	14
A2	75	47	18
A3	75	47	24
A4	75	47	26
B1	112	47	14
B2	112	47	18
B3	112	47	24
B4	112	47	26
C1	83	75	14
C2	83	75	18
C3	83	75	24
C4	83	75	26
D1	112	83	14
D2	112	83	18
D3	112	83	24
D4	112	83	26
E1	160	83	14
E2	160	83	18
E3	160	83	24
E4	160	83	26



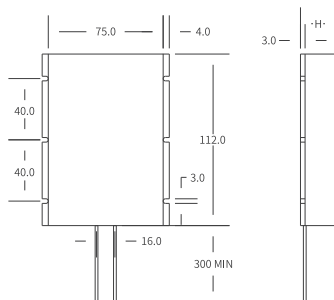
Mounting Form A



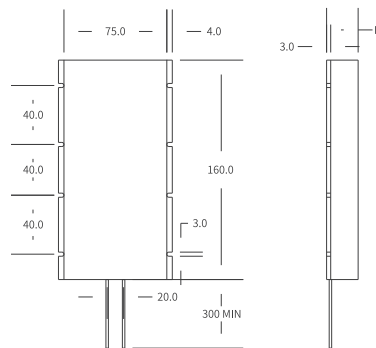
Mounting Form B



Mounting Form C



Mounting Form D



Mounting Form E

CAPACITANCE AND RATED VOLTAGE RANGE

Size Code	Size(mm) L*W*H	Rated Voltage(V) @85°C	Rated Cap (μF)	Max ESR (Ω)	Max DCL (μA)	Max Weight (g)
A3	75*39*24	10	400000	0.025	600	300
B3	112*39*24	10	600000	0.025	900	450
C3	75*75*24	10	800000	0.025	1200	600
D3	112*75*24	10	1200000	0.025	1800	900
E3	160*75*24	10	1600000	0.025	2400	1200
A3	75*39*24	16	240000	0.025	600	300
B3	112*39*24	16	360000	0.025	900	450
C3	75*75*24	16	480000	0.025	1200	600
D3	112*75*24	16	720000	0.025	1800	900
E3	160*75*24	16	960000	0.025	2400	1200
A3	75*39*24	25	140000	0.025	600	300
B3	112*39*24	25	210000	0.025	900	450
C3	75*75*24	25	280000	0.025	1200	600
D3	112*75*24	25	420000	0.025	1800	900
E3	160*75*24	25	560000	0.025	2400	1200
A3	75*39*24	35	96000	0.025	600	300
B3	112*39*24	35	140000	0.025	900	450
C3	75*75*24	35	200000	0.025	1200	600
D3	112*75*24	35	280000	0.025	1800	900
E3	160*75*24	35	400000	0.025	2400	1200
A3	75*39*24	50	60000	0.025	800	320
B3	112*39*24	50	90000	0.025	1200	480
C3	75*75*24	50	120000	0.025	1600	640
D3	112*75*24	50	180000	0.025	2400	960
E3	160*75*24	50	240000	0.025	3200	1280
A3	75*39*24	63	32000	0.035	800	320
B3	112*39*24	63	48000	0.035	1200	480
C3	75*75*24	63	64000	0.035	1600	640
D3	112*75*24	63	96000	0.035	2400	960
E3	160*75*24	63	130000	0.035	3200	1280
A3	75*39*24	80	22000	0.035	1000	320
B3	112*39*24	80	33000	0.035	1500	480
C3	75*75*24	80	44000	0.035	2000	640
D3	112*75*24	80	66000	0.035	3000	960
E3	160*75*24	80	88000	0.035	4000	1280
A3	75*39*24	100	15000	0.035	1000	320
B3	112*39*24	100	22000	0.035	1500	480
C3	75*75*24	100	30000	0.035	2000	640
D3	112*75*24	100	44000	0.035	3000	960
E3	160*75*24	100	60000	0.035	4000	1280

CAPACITANCE AND RATED VOLTAGE RANGE

Size Code	Size(mm) L*W*H	Rated Voltage(V) @85°C	Rated Cap (μF)	Max ESR (Ω)	Max DCL (μA)	Max Weight (g)
A3	75*39*24	110	12000	0.045	1000	320
B3	112*39*24	110	18000	0.045	1500	480
C3	75*75*24	110	24000	0.045	2000	640
D3	112*75*24	110	36000	0.045	3000	960
E3	160*75*24	110	48000	0.045	4000	1280
A3	75*39*24	125	9000	0.050	1000	320
B3	112*39*24	125	13000	0.050	1500	480
C3	75*75*24	125	18000	0.050	2000	640
D3	112*75*24	125	26000	0.050	3000	960
E3	160*75*24	125	36000	0.050	4000	1280
A1	75*39*14	150	1500	0.150	300	200
A2	75*36*18	150	3000	0.120	400	250
A3	75*39*23	150	4500	0.080	500	300
A4	75*39*26	150	6000	0.070	500	320
C4	75*75*26	150	12000	0.070	1000	640
E4	160*75*26	150	24000	0.040	2000	1280
A1	75*39*14	200	950	0.250	200	200
A2	75*36*18	200	1900	0.120	400	250
A3	75*39*23	200	2800	0.100	500	300
A4	75*39*26	200	3700	0.080	500	320
C4	75*75*26	200	7400	0.070	1000	640
E4	160*75*26	200	15000	0.040	2000	1280
A1	75*39*14	250	550	0.400	200	200
A2	75*36*18	250	1100	0.170	400	250
A3	75*39*23	250	1600	0.150	500	300
A4	75*39*26	250	2200	0.100	500	320
C4	75*75*26	250	4400	0.100	1000	640
E4	160*75*26	250	8800	0.050	2000	1280
B1	112*39*14	300	630	0.375	200	300
B2	112*39*18	300	1200	0.180	400	350
B3	112*39*23	300	1800	0.150	500	450
B4	112*39*26	300	2500	0.100	500	480
D3	112*75*23	300	3750	0.150	1000	900
D4	112*75*26	300	5000	0.100	1000	960
C1	75*75*14	400	500	0.400	200	400
C2	75*75*18	400	950	0.240	400	500
C3	75*75*23	400	1250	0.200	500	750
C4	75*75*26	400	1800	0.140	500	800
E3	160*75*23	400	2450	0.120	1000	1200
E4	160*75*26	400	3600	0.140	1000	1280

CAPACITANCE AND RATED VOLTAGE RANGE

Size Code	Size(mm) L*W*H	Rated Voltage(V) @85°C	Rated Cap (μF)	Max ESR (Ω)	Max DCL (μA)	Max Weight (g)
C1	75*75*14	500	270	1.000	200	350
C2	75*75*18	500	550	0.425	400	450
C3	75*75*23	500	820	0.375	500	600
C4	75*75*26	500	1100	0.250	500	640
E4	160*75*26	500	2200	0.250	1000	1280

MEASUREMENT CONDITIONS

- a) Capacitance and DF are measured at 100Hz, 1V RMS with DC bias of 2.2V.
b) Leakage Current is measured at rated voltage after 5 minutes.