



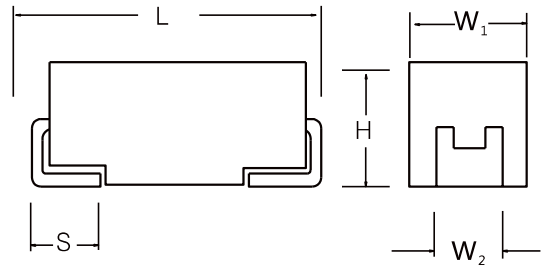
CA45L Low ESR Chip Tantalum Capacitors (SMD Tantalum Capacitors)

◆ Brief Introduction

Low ESR series of robust MnO₂ solid tantalum electrolyte capacitors
Power supply applications, general medium power DC/DC convertors
Operating Standard: QJ/PWV330-2010
Military Part Qualified Factory
RoHS and REACH Compliance

◆ Specifications

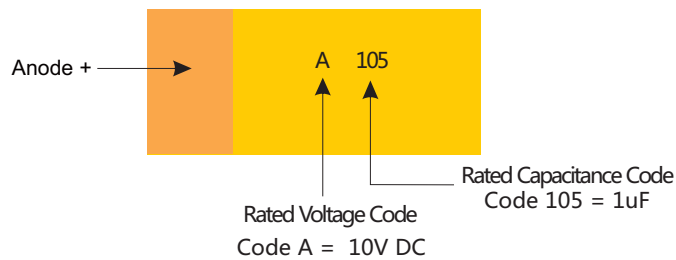
Operating Temperature Range: -55°C ~ +125°C; >85°C(with rated voltage derating);
DC Leakage at 25°C: $I_{\text{L}} \leq 0.01C_{\text{R}}U_{\text{R}}$ or 0.5uA (Choose the greater one)
Capacitance Range: 1uF~1000uF
Voltage Range: 4V, 6.3V, 10V, 16V, 20V, 25V, 35V, 50V
Capacitance Tolerance: K: +/-10%; M: +/-20% (+/-20% tolerance is standard)
SPQ: A,B case: 2000pcs/reel; C,D case: 500pcs/reel; E case: 400pcs/reel
Low ESR parameter please refer to Table 3
How to order, please refer to Part Number System



◆ Table 1 Dimensions (Unit: mm)

Case size	EIA Inch	EIA mm	L	W ₁	H	S	W ₂
A	1206	3216-16	3.20±0.20	1.60±0.20	1.60±0.20	0.80±0.20	1.20±0.20
B	1210	3528-19	3.50±0.20	2.80±0.20	1.90±0.20	0.80±0.20	2.20±0.20
C	2312	6032-25	6.00±0.20	3.20±0.20	2.50±0.20	1.30±0.20	2.20±0.20
D	2917	7343-28	7.30±0.20	4.30±0.20	2.80±0.20	1.30±0.20	2.40±0.20
E	2917	7343-43	7.30±0.40	4.30±0.40	4.10±0.40	1.30±0.20	2.40±0.20
V	2924	7361-36	7.30±0.40	6.10±0.40	3.60±0.40	1.35±0.20	3.00±0.20

◆ Marking on Chip Tantalum Capacitor Body



Voltage Code Table for Chip Tantalum Capacitors

Voltage Code	G	J	A	C	D	E	V	H	T
Rated Voltage	4V	6.3V	10V	16V	20V	25V	35V	40V	50V



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◆Table 2 Temperature Characteristics

Max					
t gδ(%)				DCL (μA)	
-55°C	25°C	85°C	125°C	85°C	125°C
6	4	6		8 I ₀	10 I ₀
8	6	8			
10	8	10			
12	10	12			
14	12	14			
18	16	18			

◆Table 3 Electrical Characteristics

Part Number	Case Code	Nominal Capacitance	Rated Voltage	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25°C	Max DF at +25°C 100Hz	Max ESR +25°C.Ω	Ripple Current (A) 100KHz Max		
										+25°C	+85°C	+125°C
		μF	V	°C	°C	V	μA	%	mΩ			
CA45LA476#004R1500	A	47	4	85	125	2.7	1.9	11	1500	0.208	0.125	0.083
CA45LB476#004R0900	B	47	4	85	125	2.7	1.9	8	900	0.289	0.173	0.115
CA45LB686#004R1000	B	68	4	85	125	2.7	2.7	8	1000	0.274	0.164	0.110
CA45LC686#004R0600	C	68	4	85	125	2.7	2.7	6	600	0.387	0.232	0.155
CA45LB107#004R0450	B	100	4	85	125	2.7	4.0	10	450	0.408	0.245	0.163
CA45LC107#004R0500	C	100	4	85	125	2.7	4.0	10	500	0.424	0.255	0.170
CA45LC157#004R0500	C	150	4	85	125	2.7	6.0	10	500	0.424	0.255	0.170
CA45LD157#004R0350	D	150	4	85	125	2.7	6.0	8	350	0.548	0.329	0.219
CA45LE157#004R0200	E	150	4	85	125	2.7	6.0	8	200	0.791	0.474	0.316
CA45LC227#004R0500	C	220	4	85	125	2.7	8.8	12	500	0.424	0.255	0.170
CA45LD227#004R0300	D	220	4	85	125	2.7	8.8	10	300	0.592	0.355	0.237
CA45LE227#004R0100	E	220	4	85	125	2.7	8.8	10	100	1.118	0.671	0.447
CA45LD337#004R0400	D	330	4	85	125	2.7	13.2	14	400	0.512	0.307	0.205
CA45LE337#004R0200	E	330	4	85	125	2.7	13.2	12	200	0.791	0.474	0.316
CA45LV337#004R0200	V	330	4	85	125	2.7	13.2	12	200	0.866	0.520	0.346
CA45LD477#004R0200	D	470	4	85	125	2.7	18.8	14	200	0.725	0.435	0.290
CA45LE477#004R0150	E	470	4	85	125	2.7	18.8	12	150	0.913	0.548	0.365
CA45LV477#004R0150	V	470	4	85	125	2.7	18.8	12	150	1.000	0.600	0.400
CA45LE687#004R0150	E	680	4	85	125	2.7	27.2	14	150	0.913	0.548	0.365
CA45LE108#004R0150	E	1000	4	85	125	2.7	40.0	15	150	0.913	0.548	0.365
CA45LA336#006R1500	A	33	6.3	85	125	4	2.1	8	1500	0.208	0.125	0.083
CA45LB336#006R0600	B	33	6.3	85	125	4	2.1	8	600	0.354	0.212	0.141
CA45LB476#006R0600	B	47	6.3	85	125	4	3.0	8	600	0.354	0.212	0.141
CA45LC476#006R0300	C	47	6.3	85	125	4	3.0	6	300	0.548	0.329	0.219
CA45LB686#006R0500	B	68	6.3	85	125	4	4.3	10	500	0.387	0.232	0.155
CA45LC686#006R0500	C	68	6.3	85	125	4	4.3	8	500	0.424	0.255	0.170
CA45LD686#006R0250	D	68	6.3	85	125	4	4.3	6	250	0.648	0.389	0.259
CA45LB107#006R0400	B	100	6.3	85	125	4	6.3	14	400	0.433	0.260	0.173
CA45LC107#006R0300	C	100	6.3	85	125	4	6.3	8	300	0.548	0.329	0.219
CA45LD107#006R0300	D	100	6.3	85	125	4	6.3	8	300	0.592	0.355	0.237
CA45LC157#006R0300	C	150	6.3	85	125	4	9.5	12	300	0.548	0.329	0.219
CA45LD157#006R0300	D	150	6.3	85	125	4	9.5	10	300	0.592	0.355	0.237
CA45LE157#006R0150	E	150	6.3	85	125	4	9.5	10	150	0.913	0.548	0.365



CA45L Low ESR Chip Tantalum Capacitors (SMD Tantalum Capacitors)

◆Table 3 Electrical Characteristics

Part Number	Case Code	Nominal Capacitance	Rated Voltage	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25°C	Max DF at +25°C 100Hz	Max ESR +25°CΩ	Ripple Current (A) 100KHz Max		
										+25°C	+85°C	+125°C
		μF	V	°C	°C	V	μA	%	mΩ			
CA45LC227#006R0200	C	220	6.3	85	125	4	13.9	14	200	0.671	0.402	0.268
CA45LD227#006R0150	D	220	6.3	85	125	4	13.9	12	150	0.837	0.502	0.335
CA45LE227#006R0150	E	220	6.3	85	125	4	13.9	12	150	0.913	0.548	0.365
CA45LD337#006R0150	D	330	6.3	85	125	4	20.8	14	150	0.837	0.502	0.335
CA45LE337#006R0150	E	330	6.3	85	125	4	20.8	14	150	0.913	0.548	0.365
CA45LE477#006R0150	E	470	6.3	85	125	4	29.6	14	150	0.913	0.548	0.365
CA45LE687#006R0150	E	680	6.3	85	125	4	42.8	14	150	0.913	0.548	0.365
CA45LA106#010R1800	A	10	10	85	125	6.3	1.0	8	1800	0.190	0.114	0.076
CA45LA156#010R1000	A	15	10	85	125	6.3	1.5	8	1000	0.255	0.153	0.102
CA45LB156#010R0600	B	15	10	85	125	6.3	1.5	6	600	0.354	0.212	0.141
CA45LA226#010R1200	A	22	10	85	125	6.3	2.2	12	1200	0.233	0.140	0.093
CA45LB226#010R0400	B	22	10	85	125	6.3	2.2	6	400	0.433	0.260	0.173
CA45LB336#010R0450	B	33	10	85	125	6.3	3.3	8	450	0.408	0.245	0.163
CA45LC336#010R0400	C	33	10	85	125	6.3	3.3	6	400	0.474	0.285	0.190
CA45LD336#010R0300	D	33	10	85	125	6.3	3.3	6	300	0.592	0.355	0.237
CA45LB476#010R0500	B	47	10	85	125	6.3	4.7	10	500	0.387	0.232	0.155
CA45LC476#010R0400	C	47	10	85	125	6.3	4.7	8	400	0.474	0.285	0.190
CA45LD476#010R0300	D	47	10	85	125	6.3	4.7	6	300	0.592	0.355	0.237
CA45LC686#010R0200	C	68	10	85	125	6.3	6.8	8	200	0.671	0.402	0.268
CA45LD686#010R0150	D	68	10	85	125	6.3	6.8	6	150	0.837	0.502	0.335
CA45LC107#010R0250	C	100	10	85	125	6.3	10.0	10	250	0.600	0.360	0.240
CA45LD107#010R0200	D	100	10	85	125	6.3	10.0	8	200	0.725	0.435	0.290
CA45LE107#010R0150	E	100	10	85	125	6.3	10.0	8	150	0.913	0.548	0.365
CA45LD157#010R0200	D	150	10	85	125	6.3	15.0	10	200	0.725	0.435	0.290
CA45LE157#010R0150	E	150	10	85	125	6.3	15.0	10	150	0.913	0.548	0.365
CA45LD227#010R0200	D	220	10	85	125	6.3	22.0	12	200	0.725	0.435	0.290
CA45LE227#010R0200	E	220	10	85	125	6.3	22.0	12	200	0.791	0.474	0.316
CA45LV227#010R0200	V	220	10	85	125	6.3	22.0	12	200	0.866	0.520	0.346
CA45LD337#010R0150	D	330	10	85	125	6.3	33.0	14	150	0.837	0.502	0.335
CA45LE337#010R0150	E	330	10	85	125	6.3	33.0	14	150	0.913	0.548	0.365
CA45LV337#010R0150	V	330	10	85	125	6.3	33.0	14	150	1.000	0.600	0.400
CA45LE477#010R0150	E	470	10	85	125	6.3	47.0	14	150	0.913	0.548	0.365
CA45LE687#010R0150	E	680	10	85	125	6.3	68.0	14	150	0.913	0.548	0.365
CA45LA685#016R2000	A	6.8	16	85	125	10	1.1	6	2000	0.180	0.108	0.072
CA45LB685#016R1200	B	6.8	16	85	125	10	1.1	6	1200	0.250	0.150	0.100
CA45LA106#016R1700	A	10	16	85	125	10	1.6	8	1700	0.196	0.117	0.078
CA45LB106#016R1200	B	10	16	85	125	10	1.6	6	1200	0.250	0.150	0.100
CA45LB156#016R0800	B	15	16	85	125	10	2.4	6	800	0.306	0.184	0.122
CA45LC156#016R0600	C	15	16	85	125	10	2.4	6	600	0.387	0.232	0.155
CA45LB226#016R0700	B	22	16	85	125	10	3.5	8	700	0.327	0.196	0.131
CA45LC226#016R0500	C	22	16	85	125	10	3.5	6	500	0.424	0.255	0.170
CA45LD226#016R0500	D	22	16	85	125	10	3.5	6	500	0.458	0.275	0.183
CA45LC336#016R0500	C	33	16	85	125	10	5.3	6	500	0.424	0.255	0.170
CA45LD336#016R0300	D	33	16	85	125	10	5.3	6	300	0.592	0.355	0.237
CA45LC476#016R0300	C	47	16	85	125	10	7.5	8	300	0.548	0.329	0.219
CA45LD476#016R0300	D	47	16	85	125	10	7.5	6	300	0.592	0.355	0.237
CA45LE476#016R0200	E	47	16	85	125	10	7.5	6	200	0.791	0.474	0.316
CA45LC686#016R1000	C	68	16	85	125	10	10.9	8	1000	0.300	0.180	0.120
CA45LD686#016R0200	D	68	16	85	125	10	10.9	8	200	0.725	0.435	0.290
CA45LE686#016R0200	E	68	16	85	125	10	10.9	6	200	0.791	0.474	0.316
CA45LC107#016R0800	C	100	16	85	125	10	16.0	12	800	0.335	0.201	0.134
CA45LD107#016R0200	D	100	16	85	125	10	16.0	8	200	0.725	0.435	0.290
CA45LE107#016R0200	E	100	16	85	125	10	16.0	8	200	0.791	0.474	0.316
CA45LD157#016R0500	D	150	16	85	125	10	24.0	12	500	0.458	0.275	0.183
CA45LE157#016R0200	E	150	16	85	125	10	24.0	10	200	0.791	0.474	0.316
CA45LE227#016R0200	E	220	16	85	125	10	35.2	12	200	0.791	0.474	0.316



◆ Table 3 Electrical Characteristics

Part Number	Case Code	Nominal Capacitance	Rated Voltage	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25℃	Max DF at +25℃ 100Hz	Max ESR +25℃Ω	Ripple Current (A) 100KHz Max		
										+25℃	+85℃	+125℃
		μF	V	℃	℃	V	μA	%	mΩ			
CA45LV227#016R0200	V	220	16	85	125	10	35.2	12	200	0.866	0.520	0.346
CA45LE337#016R0180	E	330	16	85	125	10	52.8	12	180	0.833	0.500	0.333
CA45LV337#016R0180	V	330	16	85	125	10	52.8	12	180	0.913	0.548	0.365
CA45LE477#016R0450	E	470	16	85	125	10	75.2	16	450	0.527	0.316	0.211
CA45LA335#020R4000	A	3.3	20	85	125	15	0.7	6	4000	0.127	0.076	0.051
CA45LB335#020R3000	B	3.3	20	85	125	15	0.7	6	3000	0.158	0.095	0.063
CA45LA475#020R2500	A	4.7	20	85	125	15	0.9	6	2500	0.161	0.097	0.064
CA45LB475#020R1500	B	4.7	20	85	125	15	0.9	6	1500	0.224	0.134	0.089
CA45LC475#020R1000	C	4.7	20	85	125	15	0.9	6	1000	0.300	0.180	0.120
CA45LB685#020R1000	B	6.8	20	85	125	15	1.4	6	1000	0.274	0.164	0.110
CA45LC685#020R0800	C	6.8	20	85	125	15	1.4	6	800	0.335	0.201	0.134
CA45LB106#020R1200	B	10	20	85	125	15	2.0	6	1200	0.250	0.150	0.100
CA45LC106#020R0600	C	10	20	85	125	15	2.0	6	600	0.387	0.232	0.155
CA45LD106#020R0500	D	10	20	85	125	15	2.0	6	500	0.458	0.275	0.183
CA45LB156#020R1500	B	15	20	85	125	15	3.0	6	1500	0.224	0.134	0.089
CA45LC156#020R0800	C	15	20	85	125	15	3.0	6	800	0.335	0.201	0.134
CA45LD156#020R0600	D	15	20	85	125	15	3.0	6	600	0.418	0.251	0.167
CA45LC226#020R0600	C	22	20	85	125	15	4.4	6	600	0.387	0.232	0.155
CA45LD226#020R0400	D	22	20	85	125	15	4.4	6	400	0.512	0.307	0.205
CA45LC336#020R0600	C	33	20	85	125	15	6.6	6	600	0.387	0.232	0.155
CA45LD336#020R0400	D	33	20	85	125	15	6.6	6	400	0.512	0.307	0.205
CA45LC476#020R0300	C	47	20	85	125	15	9.4	8	300	0.548	0.329	0.219
CA45LD476#020R0250	D	47	20	85	125	15	9.4	8	250	0.648	0.389	0.259
CA45LE476#020R0250	E	47	20	85	125	15	9.4	6	250	0.707	0.424	0.283
CA45LD686#020R0250	D	68	20	85	125	15	13.6	8	250	0.648	0.389	0.259
CA45LE686#020R0250	E	68	20	85	125	15	13.6	6	250	0.707	0.424	0.283
CA45LD107#020R0300	D	100	20	85	125	15	20.0	10	300	0.592	0.355	0.237
CA45LE107#020R0250	E	100	20	85	125	15	20.0	10	250	0.707	0.424	0.283
CA45LD157#020R0450	D	150	20	85	125	15	30.0	10	450	0.483	0.290	0.193
CA45LE157#020R0180	E	150	20	85	125	15	30.0	10	180	0.833	0.500	0.333
CA45LE227#020R0450	E	220	20	85	125	15	44.0	12	450	0.527	0.316	0.211
CA45LV227#020R0250	V	220	20	85	125	15	44.0	12	250	0.775	0.465	0.310
CA45LE337#020R0450	E	330	20	85	125	15	66.0	12	450	0.527	0.316	0.211
CA45LV337#020R0450	V	330	20	85	125	15	66.0	12	450	0.577	0.346	0.231
CA45LA155#025R4500	A	1.5	25	85	125	17	0.5	6	4500	0.120	0.072	0.048
CA45LB155#025R3000	B	1.5	25	85	125	17	0.5	6	3000	0.158	0.095	0.063
CA45LA225#025R3000	A	2.2	25	85	125	17	0.6	6	3000	0.147	0.088	0.059
CA45LB225#025R2500	B	2.2	25	85	125	17	0.6	6	2500	0.173	0.104	0.069
CA45LB335#025R2000	B	3.3	25	85	125	17	0.8	6	2000	0.194	0.116	0.077
CA45LC335#025R1200	C	3.3	25	85	125	17	0.8	6	1200	0.274	0.164	0.110
CA45LB475#025R1000	B	4.7	25	85	125	17	1.2	6	1000	0.274	0.164	0.110
CA45LC475#025R1000	C	4.7	25	85	125	17	1.2	6	1000	0.300	0.180	0.120
CA45LB685#025R2000	B	6.8	25	85	125	17	1.7	6	2000	0.194	0.116	0.077
CA45LC685#025R1000	C	6.8	25	85	125	17	1.7	6	1000	0.300	0.180	0.120
CA45LD685#025R0700	D	6.8	25	85	125	17	1.7	6	700	0.387	0.232	0.155
CA45LB106#025R1500	B	10	25	85	125	17	2.5	8	1500	0.224	0.134	0.089
CA45LC106#025R0900	C	10	25	85	125	17	2.5	6	900	0.316	0.190	0.126
CA45LD106#025R0450	D	10	25	85	125	17	2.5	6	450	0.483	0.290	0.193
CA45LC156#025R0500	C	15	25	85	125	17	3.8	6	500	0.424	0.255	0.170
CA45LD156#025R0400	D	15	25	85	125	17	3.8	6	400	0.512	0.307	0.205
CA45LC226#025R0800	C	22	25	85	125	17	5.5	6	800	0.335	0.201	0.134
CA45LD226#025R0400	D	22	25	85	125	17	5.5	6	400	0.512	0.307	0.205
CA45LD336#025R0300	D	33	25	85	125	17	8.3	8	300	0.592	0.355	0.237
CA45LE336#025R0250	E	33	25	85	125	17	8.3	6	250	0.707	0.424	0.283
CA45LD476#025R0350	D	47	25	85	125	17	11.8	8	350	0.548	0.329	0.219
CA45LE476#025R0300	E	47	25	85	125	17	11.8	6	300	0.645	0.387	0.258



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◆Table 3 Electrical Characteristics

Part Number	Case Code	Nominal Capacitance	Rated Voltage	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25°C	Max DF at +25°C 100Hz	Max ESR +25°CΩ	Ripple Current (A) 100KHz Max		
										+25°C	+85°C	+125°C
		μF	V	°C	°C	V	μA	%	mΩ			
CA45LE686#025R0250	E	68	25	85	125	17	17.0	8	250	0.707	0.424	0.283
CA45LV686#025R0250	V	68	25	85	125	17	17.0	8	250	0.775	0.465	0.310
CA45LE107#025R0200	E	100	25	85	125	17	25.0	10	200	0.791	0.474	0.316
CA45LV107#025R0200	V	100	25	85	125	17	25.0	10	200	0.866	0.520	0.346
CA45LE157#025R0600	E	150	25	85	125	17	37.5	10	600	0.456	0.274	0.183
CA45LA684#035R6000	A	0.68	35	85	125	23	0.5	6	6000	0.104	0.062	0.042
CA45LA105#035R6000	A	1	35	85	125	23	0.5	6	6000	0.104	0.062	0.042
CA45LB105#035R2500	B	1	35	85	125	23	0.5	4	2500	0.173	0.104	0.069
CA45LB155#035R3000	B	1.5	35	85	125	23	0.5	6	3000	0.158	0.095	0.063
CA45LC155#035R2500	C	1.5	35	85	125	23	0.5	6	2500	0.190	0.114	0.076
CA45LB225#035R2500	B	2.2	35	85	125	23	0.8	6	2500	0.173	0.104	0.069
CA45LC225#035R2000	C	2.2	35	85	125	23	0.8	6	2000	0.212	0.127	0.085
CA45LB335#035R2500	B	3.3	35	85	125	23	1.2	6	2500	0.173	0.104	0.069
CA45LC335#035R1200	C	3.3	35	85	125	23	1.2	6	1200	0.274	0.164	0.110
CA45LB475#035R2000	B	4.7	35	85	125	23	1.6	8	2000	0.194	0.116	0.077
CA45LC475#035R0800	C	4.7	35	85	125	23	1.6	6	800	0.335	0.201	0.134
CA45LD475#035R0700	D	4.7	35	85	125	23	1.6	6	700	0.387	0.232	0.155
CA45LC685#035R0700	C	6.8	35	85	125	23	2.4	6	700	0.359	0.215	0.143
CA45LD685#035R0600	D	6.8	35	85	125	23	2.4	6	600	0.418	0.251	0.167
CA45LC106#035R0700	C	10	35	85	125	23	3.5	6	700	0.359	0.215	0.143
CA45LD106#035R0400	D	10	35	85	125	23	3.5	6	400	0.512	0.307	0.205
CA45LD156#035R0350	D	15	35	85	125	23	5.3	6	350	0.548	0.329	0.219
CA45LE156#035R0300	E	15	35	85	125	23	5.3	6	300	0.645	0.387	0.258
CA45LD226#035R0400	D	22	35	85	125	23	7.7	6	400	0.512	0.307	0.205
CA45LE226#035R0300	E	22	35	85	125	23	7.7	6	300	0.645	0.387	0.258
CA45LD336#035R0500	D	33	35	85	125	23	11.6	8	500	0.458	0.275	0.183
CA45LE336#035R0300	E	33	35	85	125	23	11.6	6	300	0.645	0.387	0.258
CA45LD476#035R0400	D	47	35	85	125	23	16.5	8	400	0.512	0.307	0.205
CA45LE476#035R0400	E	47	35	85	125	23	16.5	6	400	0.559	0.335	0.224
CA45LE686#035R0800	E	68	35	85	125	23	23.8	8	800	0.395	0.237	0.158
CA45LB684#050R3000	B	0.68	50	85	125	33	0.5	6	3000	0.158	0.095	0.063
CA45LB105#050R2500	B	1	50	85	125	33	0.5	6	2500	0.173	0.104	0.069
CA45LC105#050R1800	C	1	50	85	125	33	0.5	4	1800	0.224	0.134	0.089
CA45LC155#050R1800	C	1.5	50	85	125	33	0.8	6	1800	0.224	0.134	0.089
CA45LD155#050R1000	D	1.5	50	85	125	33	0.8	6	1000	0.324	0.194	0.130
CA45LC225#050R1500	C	2.2	50	85	125	33	1.1	6	1500	0.245	0.147	0.098
CA45LD225#050R0700	D	2.2	50	85	125	33	1.1	6	700	0.387	0.232	0.155
CA45LC335#050R0700	C	3.3	50	85	125	33	1.7	6	700	0.359	0.215	0.143
CA45LD335#050R0700	D	3.3	50	85	125	33	1.7	6	700	0.387	0.232	0.155
CA45LC475#050R0700	C	4.7	50	85	125	33	2.4	6	700	0.359	0.215	0.143
CA45LD475#050R0600	D	4.7	50	85	125	33	2.4	6	600	0.418	0.251	0.167
CA45LD685#050R0600	D	6.8	50	85	125	33	3.4	6	600	0.418	0.251	0.167
CA45LE685#050R0500	E	6.8	50	85	125	33	3.4	6	500	0.500	0.300	0.200
CA45LD106#050R0400	D	10	50	85	125	33	5.0	6	400	0.512	0.307	0.205
CA45LE106#050R0400	E	10	50	85	125	33	5.0	6	400	0.559	0.335	0.224
CA45LE156#050R0400	E	15	50	85	125	33	7.5	6	400	0.559	0.335	0.224
CA45LE226#050R0400	E	22	50	85	125	33	11.0	8	400	0.559	0.335	0.224

CA45L Low ESR Chip Tantalum Capacitors (SMD Tantalum Capacitors)

Important Note

1. Please do not use multimeter to test tantalum capacitors.
2. Capacitance and DF measured at :100Hz , $U_{-} = 2.2^{\circ}_{-1.0} V$, $U_{\sim} = 1.0^{\circ}_{-0.5} V$,
Frequency = 100Hz. Test only applied to series equivalent circuit.
3. Please refer to derating voltage or category voltage if temperature > 85°C
4. The DCL parameter should be read after 5 minutes when it connected to the circuit.
5. For special requirement please consult to our sales.

◆ How to order

<u>CA45L</u>	<u>C</u>	<u>106</u>	<u>M</u>	<u>035</u>	<u>R</u>	<u>0100</u>	<u>-</u>
↓	↓	↓	↓	↓	↓	↓	↓
<u>Type</u>	<u>Case Size</u>	<u>Capacitance code</u>	<u>Tolerance</u>	<u>Rated DC Voltage</u>	<u>Package</u>	<u>ESR in mΩ</u>	<u>Additional characters may be added for special requirements</u>
CA45L	See size table	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 107 = 100uF	K: +/-10% M: +/-20%	Code 035: 35VDC 006 = 6.3VDC 010 = 10VDC 025 = 25VDC 035 = 35VDC 050 = 50VDC	R: Tape & Reel		