

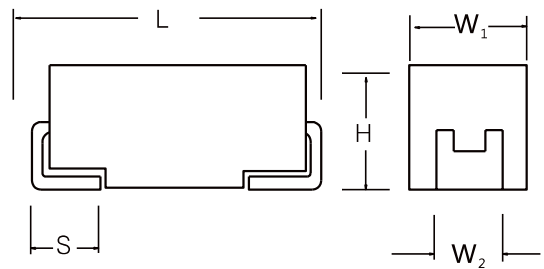
## CA45L Low ESR Chip Tantalum Capacitors (SMD Tantalum Capacitors)

### ◆ Brief Introduction

Low ESR series of robust MnO<sub>2</sub> 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

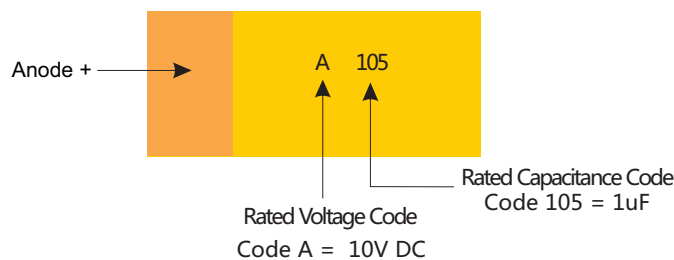
Operating Temperature Range: -55°C ~ +125°C; >85°C(with rated voltage derating);  
 DC Leakage at 25°C:  $I_{\text{L}} \leq 0.01C_{\text{R}}U_{\text{R}}$  or 0.5uA (Choose the greater one)  
 Capacitance Range: 1uF~1000uF  
 Voltage Range: 4V, 6.3V, 10V, 16V, 20V, 25V, 35V, 50V  
 Capacitance Tolerance: 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 <sub>1</sub>	H	S	W <sub>2</sub>
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

## CA45L Low ESR Chip Tantalum Capacitors (SMD Tantalum Capacitors)

◆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 <sub>0</sub>	10 I <sub>0</sub>
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℃	Max DF at +25℃ 100Hz	Max ESR +25℃Ω	Ripple Current (A) 100KHz Max		
										+25℃	+85℃	+125℃
		μF	V	℃	℃	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

## 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			
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		