

CA45 Chip Tantalum Capacitors (SMD Tantalum Capacitors)

◆ Brief Introduction

General purpose SMT chip tantalum series

General low power DC/DC and LDO

Operating Standard: QJ/PWV109-2003

Factory quality control system: Military Standard GJB9001C-2017

Meets RoHS , Reach requirement

◆ Specifications

Operating Temperature Range: -55°C ~ +125°C; >85°C(with rated voltage derating);

DC Leakage at 25°C: $I_o \leq 0.01C_R U_R$ or 0.5uA (Choose the greater one)

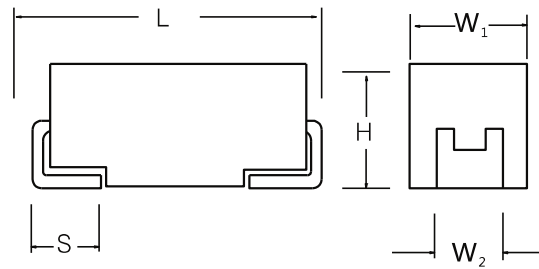
Capacitance Range: 1uF~1000uF

Voltage Range: 6.3V, 10V, 16V, 25V, 35V, 50V, 63V, 75V, 100V

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

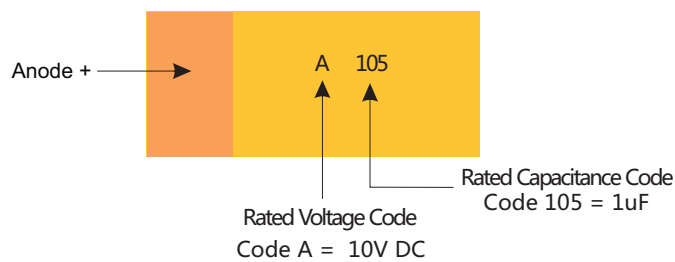
How to order, please refer to Part Number System



◆ Table 1 Dimensions (Unit: mm)

Case Size		L±0.2	W ₁ ±0.2	H±0.4	S±0.2	W ₂ ±0.2
P	2012	2.00	1.25	1.20	0.50	0.90
A	3216	3.20	1.60	1.60	0.80	1.20
B	3528	3.50	2.80	1.90	0.80	2.20
C	6032	6.00	3.20	2.50	1.30	2.20
D	7343	7.30	4.30	2.80	1.30	2.40
E	7343	7.30	4.30	4.10	1.30	2.40

◆ 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					
tgδ(%)				DCL (μA)	
-55°C	25°C	85°C	125°C	85°C	125°C
6	4	6		8 I _o	10 I _o
8	6	8			
10	8	10			
12	10	12			
14	12	14			
18	16	18			

◆ How to order

<u>CA45</u>	<u>T</u>	<u>106</u>	<u>M</u>	<u>0025</u>	<u>000B</u>	<u>R</u>	<u>000</u>
Type	Material Code	Capacitance Code	Tolerance	For DC Voltage	Size Code	Package	Suffix Indicate Special Requirement
CA45	T: Tantalum Cap For CA45	pF Code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow) 106 = 10uF 105 = 1uF	K: +/-10% M: +/-20%	0006: 6.3VDC 0010: 10VDC 0035: 35VDC 0050: 50VDC	Code for Case Size 000A: A case 000B: B case 000C: C case 000D: D case 000E: E case	R: Tape & Reel	000: Indicating Standard

CA45 Chip Tantalum Capacitors (SMD Tantalum Capacitors)

◆Table 3 Electrical Characteristics

Part Number	Rated Voltage	Nominal Capacitance	Case Code	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25°C	Max DF at +25°C 100Hz	Max ESR +25°C Ω 100KHz	Ripple Current (mA)		
										100KHz	Max	
	V	uF	C	C	C	V	Ua	%	mΩ	25C	85C	125C
CA45T336#0002000A	2.5	33	A	85	125	1.7	0.8	8	1.7	0.196	0.117	0.078
CA45T476#0002000A	2.5	47	A	85	125	1.7	1.2	6	3	0.147	0.088	0.059
CA45T686#0002000A	2.5	68	A	85	125	1.7	1.7	8	1.5	0.208	0.125	0.083
CA45T107#0002000A	2.5	100	A	85	125	1.7	2.5	30	1.4	0.215	0.129	0.086
CA45T107#0002000B	2.5	100	B	85	125	1.7	2.5	8	1.4	0.231	0.139	0.093
CA45T157#0002000B	2.5	150	B	85	125	1.7	3.8	10	1.6	0.217	0.130	0.087
CA45T227#0002000B	2.5	220	B	85	125	1.7	5.5	16	1.6	0.217	0.130	0.087
CA45T227#0002000D	2.5	220	D	85	125	1.7	5.5	8	0.3	0.592	0.355	0.237
CA45T337#0002000D	2.5	330	D	85	125	1.7	8.3	8	0.3	0.592	0.355	0.237
CA45T477#0002000C	2.5	470	C	85	125	1.7	11.8	12	0.2	0.671	0.402	0.268
CA45T477#0002000D	2.5	470	D	85	125	1.7	11.8	8	0.2	0.725	0.435	0.290
CA45T687#0002000C	2.5	680	C	85	125	1.7	17	18	0.2	0.671	0.402	0.268
CA45T687#0002000D	2.5	680	D	85	125	1.7	17	16	0.2	0.725	0.435	0.290
CA45T687#0002000E	2.5	680	E	85	125	1.7	17	10	0.2	0.791	0.474	0.316
CA45T108#0002000D	2.5	1000	D	85	125	1.7	25	20	0.2	0.725	0.435	0.290
CA45T108#0002000E	2.5	1000	E	85	125	1.7	25	14	0.4	0.559	0.335	0.224
CA45T158#0002000D	2.5	1500	D	85	125	1.7	37.5	60	0.2	0.725	0.435	0.290
CA45T158#0002000E	2.5	1500	E	85	125	1.7	37.5	20	0.2	0.791	0.474	0.316
CA45T158#0002000V	2.5	1500	V	85	125	1.7	37.5	20	0.2	0.866	0.520	0.346
CA45T228#0002000V	2.5	2200	V	85	125	1.7	55	50	0.2	0.866	0.520	0.346
CA45T225#0004000A	4	2.2	A	85	125	2.7	0.5	6	8	0.090	0.054	0.036
CA45T335#0004000A	4	3.3	A	85	125	2.7	0.5	6	8	0.090	0.054	0.036
CA45T475#0004000A	4	4.7	A	85	125	2.7	0.5	6	8	0.090	0.054	0.036
CA45T475#0004000B	4	4.7	B	85	125	2.7	0.5	6	6	0.112	0.067	0.045
CA45T685#0004000A	4	6.8	A	85	125	2.7	0.5	6	6	0.104	0.062	0.042
CA45T685#0004000B	4	6.8	B	85	125	2.7	0.5	6	5.5	0.117	0.070	0.047
CA45T106#0004000A	4	10	A	85	125	2.7	0.5	6	6	0.104	0.062	0.042
CA45T106#0004000B	4	10	B	85	125	2.7	0.5	6	3.5	0.146	0.088	0.059
CA45T156#0004000A	4	15	A	85	125	2.7	0.6	6	4	0.127	0.076	0.051
CA45T156#0004000B	4	15	B	85	125	2.7	0.6	6	3.5	0.146	0.088	0.059
CA45T156#0004000C	4	15	C	85	125	2.7	0.6	6	3.5	0.160	0.096	0.064
CA45T226#0004000A	4	22	A	85	125	2.7	0.9	6	2.5	0.161	0.097	0.064
CA45T226#0004000B	4	22	B	85	125	2.7	0.9	6	3.2	0.153	0.092	0.061
CA45T226#0004000C	4	22	C	85	125	2.7	0.9	6	1.8	0.224	0.134	0.089
CA45T336#0004000A	4	33	A	85	125	2.7	1.3	8	3	0.147	0.088	0.059
CA45T336#0004000B	4	33	B	85	125	2.7	1.3	6	3.2	0.153	0.092	0.061
CA45T336#0004000C	4	33	C	85	125	2.7	1.3	6	1.8	0.224	0.134	0.089
CA45T476#0004000A	4	47	A	85	125	2.7	1.9	12	2.5	0.161	0.097	0.064
CA45T476#0004000B	4	47	B	85	125	2.7	1.9	6	2.6	0.170	0.102	0.068
CA45T476#0004000C	4	47	C	85	125	2.7	1.9	6	1.8	0.224	0.134	0.089
CA45T686#0004000A	4	68	A	85	125	2.7	2.7	24	2.5	0.161	0.097	0.064
CA45T686#0004000B	4	68	B	85	125	2.7	2.7	6	1.8	0.204	0.122	0.082
CA45T686#0004000C	4	68	C	85	125	2.7	2.7	6	1.5	0.245	0.147	0.098
CA45T107#0004000A	4	100	A	85	125	2.7	4	30	2	0.180	0.108	0.072
CA45T107#0004000B	4	100	B	85	125	2.7	4	14	0.9	0.289	0.173	0.115
CA45T107#0004000C	4	100	C	85	125	2.7	4	8	1.2	0.274	0.164	0.110
CA45T157#0004000B	4	150	B	85	125	2.7	6	18	1.5	0.224	0.134	0.089
CA45T157#0004000C	4	150	C	85	125	2.7	6	8	1.1	0.286	0.172	0.114
CA45T157#0004000D	4	150	D	85	125	2.7	6	8	0.8	0.362	0.217	0.145
CA45T227#0004000B	4	220	B	85	125	2.7	8.8	18	1.1	0.261	0.157	0.104
CA45T227#0004000C	4	220	C	85	125	2.7	8.8	12	1.2	0.274	0.164	0.110
CA45T227#0004000D	4	220	D	85	125	2.7	8.8	8	0.8	0.362	0.217	0.145



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◆Table 3 Electrical Characteristics

Part Number	Rated Voltage	Nominal Capacitance	Case Code	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25°C	Max DF at +25°C 100Hz	Max ESR +25°C 100KHz	Ripple Current (mA)		
										25C	85C	125C
	V	uF	C	C	C	V	Ua	%	mΩ			
CA45T337#0004000C	4	330	C	85	125	2.7	13.2	10	0.7	0.359	0.215	0.143
CA45T337#0004000D	4	330	D	85	125	2.7	13.2	8	0.9	0.342	0.205	0.137
CA45T337#0004000E	4	330	E	85	125	2.7	13.2	12	0.8	0.395	0.237	0.158
CA45T477#0004000C	4	470	C	85	125	2.7	18.8	14	0.3	0.548	0.329	0.219
CA45T477#0004000D	4	470	D	85	125	2.7	18.8	10	0.9	0.342	0.205	0.137
CA45T477#0004000E	4	470	E	85	125	2.7	18.8	10	0.5	0.500	0.300	0.200
CA45T687#0004000D	4	680	D	85	125	2.7	27.2	12	0.5	0.458	0.275	0.183
CA45T687#0004000E	4	680	E	85	125	2.7	27.2	14	0.9	0.373	0.224	0.149
CA45T108#0004000D	4	1000	D	85	125	2.7	40	60	0.5	0.458	0.275	0.183
CA45T108#0004000E	4	1000	E	85	125	2.7	40	15	0.4	0.559	0.335	0.224
CA45T108#0004000V	4	1000	V	85	125	2.7	40	12	0.2	0.866	0.520	0.346
CA45T158#0004000E	4	1500	E	85	125	2.7	60	30	0.2	0.791	0.474	0.316
CA45T158#0004000V	4	1500	V	85	125	2.7	60	30	0.2	0.866	0.520	0.346
CA45T155#0006000A	6.3	1.5	A	85	125	4	0.5	6	8	0.090	0.054	0.036
CA45T225#0006000A	6.3	2.2	A	85	125	4	0.5	6	8	0.090	0.054	0.036
CA45T335#0006000A	6.3	3.3	A	85	125	4	0.5	6	8	0.090	0.054	0.036
CA45T335#0006000B	6.3	3.3	B	85	125	4	0.5	6	7	0.104	0.062	0.041
CA45T475#0006000A	6.3	4.7	A	85	125	4	0.5	6	6	0.104	0.062	0.042
CA45T475#0006000B	6.3	4.7	B	85	125	4	0.5	6	5.5	0.117	0.070	0.047
CA45T685#0006000A	6.3	6.8	A	85	125	4	0.5	6	6	0.104	0.062	0.042
CA45T685#0006000B	6.3	6.8	B	85	125	4	0.5	6	3.5	0.146	0.088	0.059
CA45T106#0006000A	6.3	10	A	85	125	4	0.6	6	4	0.127	0.076	0.051
CA45T106#0006000B	6.3	10	B	85	125	4	0.6	6	3.5	0.146	0.088	0.059
CA45T106#0006000C	6.3	10	C	85	125	4	0.6	6	3	0.173	0.104	0.069
CA45T156#0006000A	6.3	15	A	85	125	4	0.9	6	3.5	0.136	0.082	0.055
CA45T156#0006000B	6.3	15	B	85	125	4	0.9	6	3	0.158	0.095	0.063
CA45T156#0006000C	6.3	15	C	85	125	4	0.9	6	1.8	0.224	0.134	0.089
CA45T226#0006000A	6.3	22	A	85	125	4	1.4	6	3	0.147	0.088	0.059
CA45T226#0006000B	6.3	22	B	85	125	4	1.4	6	3.5	0.146	0.088	0.059
CA45T226#0006000C	6.3	22	C	85	125	4	1.4	6	1.8	0.224	0.134	0.089
CA45T336#0006000A	6.3	33	A	85	125	4	2.1	8	2.2	0.172	0.103	0.069
CA45T336#0006000B	6.3	33	B	85	125	4	2.1	6	3	0.158	0.095	0.063
CA45T336#0006000C	6.3	33	C	85	125	4	2.1	6	1.8	0.224	0.134	0.089
CA45T476#0006000A	6.3	47	A	85	125	4	3	12	2.5	0.161	0.097	0.064
CA45T476#0006000B	6.3	47	B	85	125	4	3	6	2	0.194	0.116	0.077
CA45T476#0006000C	6.3	47	C	85	125	4	3	6	1.6	0.237	0.142	0.095
CA45T686#0006000A	6.3	68	A	85	125	4	4.3	20	3.6	0.134	0.081	0.054
CA45T686#0006000B	6.3	68	B	85	125	4	4.3	8	0.9	0.289	0.173	0.115
CA45T686#0006000C	6.3	68	C	85	125	4	4.3	6	1.5	0.245	0.147	0.098
CA45T107#0006000A	6.3	100	A	85	125	4	6.3	35	2	0.180	0.108	0.072
CA45T107#0006000B	6.3	100	B	85	125	4	6.3	14	1.7	0.210	0.126	0.084
CA45T107#0006000C	6.3	100	C	85	125	4	6.3	8	0.9	0.316	0.190	0.126
CA45T157#0006000B	6.3	150	B	85	125	4	9.5	18	1.2	0.250	0.150	0.100
CA45T157#0006000C	6.3	150	C	85	125	4	9.5	8	1.1	0.286	0.172	0.114
CA45T157#0006000D	6.3	150	D	85	125	4	9.5	8	0.7	0.387	0.232	0.155
CA45T227#0006000B	6.3	220	B	85	125	4	13.9	30	1.2	0.250	0.150	0.100
CA45T227#0006000C	6.3	220	C	85	125	4	13.9	14	1.2	0.274	0.164	0.110
CA45T227#0006000D	6.3	220	D	85	125	4	13.9	8	0.5	0.458	0.275	0.183
CA45T337#0006000C	6.3	330	C	85	125	4	20.8	14	0.5	0.424	0.255	0.170
CA45T337#0006000D	6.3	330	D	85	125	4	20.8	8	0.4	0.512	0.307	0.205
CA45T337#0006000E	6.3	330	E	85	125	4	20.8	8	0.4	0.559	0.335	0.224
CA45T477#0006000D	6.3	470	D	85	125	4	29.6	16	0.4	0.512	0.307	0.205



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◆Table 3 Electrical Characteristics

Part Number	Rated Voltage	Nominal Capacitance	Case Code	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25℃	Max DF at +25℃ 100Hz	Max ESR +25℃Ω 100KHz	Ripple Current (mA)		
										100KHz	Max	
	V	uF	C	C	C	V	Ua	%	mΩ	25C	85C	125C
CA45T477#0006000E	6.3	470	E	85	125	4	29.6	10	0.4	0.559	0.335	0.224
CA45T477#0006000V	6.3	470	V	85	125	4	29.6	10	0.4	0.612	0.367	0.245
CA45T687#0006000E	6.3	680	E	85	125	4	42.8	10	0.5	0.500	0.300	0.200
CA45T687#0006000V	6.3	680	V	85	125	4	42.8	10	0.5	0.548	0.329	0.219
CA45T687#0006000W	6.3	680	W	85	125	4	42.8	12	0.2	1.000	0.600	0.400
CA45T108#0006000E	6.3	1000	E	85	125	4	63	20	0.2	0.791	0.474	0.316
CA45T108#0006000G	6.3	1000	G	85	125	4	63	16	0.2	1.095	0.657	0.438
CA45T108#0006000V	6.3	1000	V	85	125	4	63	15	0.2	0.866	0.520	0.346
CA45T158#0006000T	6.3	1500	T	85	125	4	94.5	16	0.2	1.285	0.771	0.514
CA45T105#0010000A	10	1	A	85	125	6.3	0.5	4	10	0.081	0.048	0.032
CA45T105#0010000B	10	1	B	85	125	6.3	0.5	4	6.5	0.107	0.064	0.043
CA45T155#0010000A	10	1.5	A	85	125	6.3	0.5	6	8	0.090	0.054	0.036
CA45T225#0010000A	10	2.2	A	85	125	6.3	0.5	6	8	0.090	0.054	0.036
CA45T225#0010000B	10	2.2	B	85	125	6.3	0.5	6	3.5	0.146	0.088	0.059
CA45T335#0010000A	10	3.3	A	85	125	6.3	0.5	6	5.5	0.109	0.065	0.043
CA45T335#0010000B	10	3.3	B	85	125	6.3	0.5	6	5	0.122	0.073	0.049
CA45T475#0010000A	10	4.7	A	85	125	6.3	0.5	6	5	0.114	0.068	0.046
CA45T475#0010000B	10	4.7	B	85	125	6.3	0.5	6	3.5	0.146	0.088	0.059
CA45T685#0010000A	10	6.8	A	85	125	6.3	0.7	6	3.5	0.136	0.082	0.055
CA45T685#0010000B	10	6.8	B	85	125	6.3	0.7	6	3.5	0.146	0.088	0.059
CA45T685#0010000C	10	6.8	C	85	125	6.3	0.7	6	3.5	0.160	0.096	0.064
CA45T106#0010000A	10	10	A	85	125	6.3	1	6	3	0.147	0.088	0.059
CA45T106#0010000B	10	10	B	85	125	6.3	1	6	3.5	0.146	0.088	0.059
CA45T106#0010000C	10	10	C	85	125	6.3	1	6	1.8	0.224	0.134	0.089
CA45T156#0010000A	10	15	A	85	125	6.3	1.5	6	3.2	0.143	0.086	0.057
CA45T156#0010000B	10	15	B	85	125	6.3	1.5	6	2.8	0.164	0.098	0.065
CA45T156#0010000C	10	15	C	85	125	6.3	1.5	6	1.8	0.224	0.134	0.089
CA45T226#0010000A	10	22	A	85	125	6.3	2.2	10	3	0.147	0.088	0.059
CA45T226#0010000B	10	22	B	85	125	6.3	2.2	6	2.4	0.177	0.106	0.071
CA45T226#0010000C	10	22	C	85	125	6.3	2.2	6	1.8	0.224	0.134	0.089
CA45T336#0010000A	10	33	A	85	125	6.3	3.3	15	2.5	0.161	0.097	0.064
CA45T336#0010000B	10	33	B	85	125	6.3	3.3	6	1.8	0.204	0.122	0.082
CA45T336#0010000C	10	33	C	85	125	6.3	3.3	6	1.5	0.245	0.147	0.098
CA45T476#0010000A	10	47	A	85	125	6.3	4.7	40	2	0.180	0.108	0.072
CA45T476#0010000B	10	47	B	85	125	6.3	4.7	8	1	0.274	0.164	0.110
CA45T476#0010000C	10	47	C	85	125	6.3	4.7	6	1.2	0.274	0.164	0.110
CA45T686#0010000B	10	68	B	85	125	6.3	6.8	10	1.4	0.231	0.139	0.093
CA45T686#0010000C	10	68	C	85	125	6.3	6.8	6	1.3	0.263	0.158	0.105
CA45T686#0010000D	10	68	D	85	125	6.3	6.8	6	0.8	0.362	0.217	0.145
CA45T107#0010000B	10	100	B	85	125	6.3	10	28	1.4	0.231	0.139	0.093
CA45T107#0010000C	10	100	C	85	125	6.3	10	8	1.2	0.274	0.164	0.110
CA45T107#0010000D	10	100	D	85	125	6.3	10	8	0.9	0.342	0.205	0.137
CA45T157#0010000C	10	150	C	85	125	6.3	15	10	0.9	0.316	0.190	0.126
CA45T157#0010000D	10	150	D	85	125	6.3	15	8	0.9	0.342	0.205	0.137
CA45T157#0010000E	10	150	E	85	125	6.3	15	8	0.9	0.373	0.224	0.149
CA45T227#0010000C	10	220	C	85	125	6.3	22	16	0.5	0.424	0.255	0.170
CA45T227#0010000D	10	220	D	85	125	6.3	22	8	0.5	0.458	0.275	0.183
CA45T227#0010000E	10	220	E	85	125	6.3	22	8	0.5	0.500	0.300	0.200
CA45T337#0010000D	10	330	D	85	125	6.3	33	14	0.9	0.342	0.205	0.137
CA45T337#0010000E	10	330	E	85	125	6.3	33	8	0.9	0.373	0.224	0.149
CA45T337#0010000V	10	330	V	85	125	6.3	33	10	0.9	0.408	0.245	0.163
CA45T477#0010000E	10	470	E	85	125	6.3	47	10	0.5	0.500	0.300	0.200

CA45 Chip Tantalum Capacitors (SMD Tantalum Capacitors)

◆Table 3 Electrical Characteristics

Part Number	Rated Voltage	Nominal Capacitance	Case Code	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25℃	Max DF at +25℃ 100Hz	Max ESR +25℃Ω 100KHz	Ripple Current (mA) 100KHz Max		
										25C	85C	125C
	V	uF	C	C	C	V	Ua	%	mΩ			
CA45T477#0010000V	10	470	V	85	125	6.3	47	10	0.5	0.548	0.329	0.219
CA45T477#0010000W	10	470	W	85	125	6.3	47	12	0.5	0.632	0.379	0.253
CA45T687#0010000E	10	680	E	85	125	6.3	68	14	0.5	0.500	0.300	0.200
CA45T687#0010000S	10	680	S	85	125	6.3	68	12	0.2	1.183	0.710	0.473
CA45T687#0010000T	10	680	T	85	125	6.3	68	12	0.2	1.285	0.771	0.514
CA45T108#0010000T	10	1000	T	85	125	6.3	100	16	0.2	1.285	0.771	0.514
CA45T684#0016000A	16	0.68	A	85	125	10	0.5	4	12	0.074	0.044	0.029
CA45T105#0016000A	16	1	A	85	125	10	0.5	4	7.5	0.093	0.056	0.037
CA45T105#0016000B	16	1	B	85	125	10	0.5	4	6.5	0.107	0.064	0.043
CA45T155#0016000A	16	1.5	A	85	125	10	0.5	6	8	0.090	0.054	0.036
CA45T155#0016000B	16	1.5	B	85	125	10	0.5	6	8	0.097	0.058	0.039
CA45T225#0016000A	16	2.2	A	85	125	10	0.5	6	5	0.114	0.068	0.046
CA45T225#0016000B	16	2.2	B	85	125	10	0.5	6	5.5	0.117	0.070	0.047
CA45T335#0016000A	16	3.3	A	85	125	10	0.5	6	4.5	0.120	0.072	0.048
CA45T335#0016000B	16	3.3	B	85	125	10	0.5	6	3.5	0.146	0.088	0.059
CA45T475#0016000A	16	4.7	A	85	125	10	0.8	6	4	0.127	0.076	0.051
CA45T475#0016000B	16	4.7	B	85	125	10	0.8	6	3.5	0.146	0.088	0.059
CA45T475#0016000C	16	4.7	C	85	125	10	0.8	6	2.4	0.194	0.116	0.077
CA45T685#0016000A	16	6.8	A	85	125	10	1.1	6	3.5	0.136	0.082	0.055
CA45T685#0016000B	16	6.8	B	85	125	10	1.1	6	2.5	0.173	0.104	0.069
CA45T685#0016000C	16	6.8	C	85	125	10	1.1	6	1.9	0.218	0.131	0.087
CA45T106#0016000A	16	10	A	85	125	10	1.6	6	3	0.147	0.088	0.059
CA45T106#0016000B	16	10	B	85	125	10	1.6	6	2.5	0.173	0.104	0.069
CA45T106#0016000C	16	10	C	85	125	10	1.6	6	1.8	0.224	0.134	0.089
CA45T156#0016000A	16	15	A	85	125	10	2.4	6	2	0.180	0.108	0.072
CA45T156#0016000B	16	15	B	85	125	10	2.4	6	2.5	0.173	0.104	0.069
CA45T156#0016000C	16	15	C	85	125	10	2.4	6	1.8	0.224	0.134	0.089
CA45T226#0016000A	16	22	A	85	125	10	3.5	15	3	0.147	0.088	0.059
CA45T226#0016000B	16	22	B	85	125	10	3.5	6	2.2	0.185	0.111	0.074
CA45T226#0016000C	16	22	C	85	125	10	3.5	6	1.1	0.286	0.172	0.114
CA45T336#0016000B	16	33	B	85	125	10	5.3	8	1.9	0.199	0.119	0.079
CA45T336#0016000C	16	33	C	85	125	10	5.3	6	1.5	0.245	0.147	0.098
CA45T336#0016000D	16	33	D	85	125	10	5.3	6	0.8	0.362	0.217	0.145
CA45T476#0016000C	16	47	C	85	125	10	7.5	6	0.9	0.316	0.190	0.126
CA45T476#0016000D	16	47	D	85	125	10	7.5	6	0.9	0.342	0.205	0.137
CA45T476#0016000E	16	47	E	85	125	10	7.5	6	0.9	0.373	0.224	0.149
CA45T686#0016000C	16	68	C	85	125	10	10.9	6	1.2	0.274	0.164	0.110
CA45T686#0016000D	16	68	D	85	125	10	10.9	6	0.9	0.342	0.205	0.137
CA45T686#0016000E	16	68	E	85	125	10	10.9	6	0.9	0.373	0.224	0.149
CA45T107#0016000C	16	100	C	85	125	10	16	12	1	0.300	0.180	0.120
CA45T107#0016000D	16	100	D	85	125	10	16	8	0.7	0.387	0.232	0.155
CA45T107#0016000E	16	100	E	85	125	10	16	6	0.9	0.373	0.224	0.149
CA45T157#0016000D	16	150	D	85	125	10	24	8	0.9	0.342	0.205	0.137
CA45T157#0016000E	16	150	E	85	125	10	24	8	0.5	0.500	0.300	0.200
CA45T157#0016000V	16	150	V	85	125	10	24	8	0.5	0.548	0.329	0.219
CA45T227#0016000D	16	220	D	85	125	10	35.2	25	0.81	0.360	0.216	0.144
CA45T227#0016000E	16	220	E	85	125	10	35.2	10	0.5	0.500	0.300	0.200
CA45T227#0016000V	16	220	V	85	125	10	35.2	8	0.9	0.408	0.245	0.163
CA45T337#0016000E	16	330	E	85	125	10	52.8	12	0.8	0.395	0.237	0.158
CA45T337#0016000V	16	330	V	85	125	10	52.8	12	0.8	0.433	0.260	0.173
CA45T337#0016000W	16	330	W	85	125	10	52.8	10	0.2	1.000	0.600	0.400
CA45T477#0016000E	16	470	E	85	125	10	75.2	16	0.8	0.395	0.237	0.158



CA45 Chip Tantalum Capacitors (SMD Tantalum Capacitors)

◆Table 3 Electrical Characteristics

Part Number	Rated Voltage	Nominal Capacitance	Case Code	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25℃	Max DF at +25℃ 100Hz	Max ESR +25℃Ω 100KHz	Ripple Current (mA) 100KHz		
										25C	85C	125C
	V	uF	C	C	C	V	Ua	%	mΩ			
CA45T477#0016000G	16	470	G	85	125	10	75.2	12	0.2	1.095	0.657	0.438
CA45T477#0016000W	16	470	W	85	125	10	75.2	12	0.2	1.000	0.600	0.400
CA45T687#0016000T	16	680	T	85	125	10	108.8	12	0.1	1.817	1.090	0.727
CA45T474#0020000A	20	0.47	A	85	125	15	0.5	4	14	0.068	0.041	0.027
CA45T684#0020000A	20	0.68	A	85	125	15	0.5	4	12	0.074	0.044	0.029
CA45T105#0020000A	20	1	A	85	125	15	0.5	4	9	0.085	0.051	0.034
CA45T105#0020000B	20	1	B	85	125	15	0.5	4	9	0.091	0.055	0.037
CA45T155#0020000A	20	1.5	A	85	125	15	0.5	6	6.5	0.100	0.060	0.040
CA45T155#0020000B	20	1.5	B	85	125	15	0.5	6	6	0.112	0.067	0.045
CA45T225#0020000A	20	2.2	A	85	125	15	0.5	6	5.3	0.111	0.066	0.044
CA45T225#0020000B	20	2.2	B	85	125	15	0.5	6	3.5	0.146	0.088	0.059
CA45T335#0020000A	20	3.3	A	85	125	15	0.7	4	4.5	0.120	0.072	0.048
CA45T335#0020000B	20	3.3	B	85	125	15	0.7	6	3	0.158	0.095	0.063
CA45T335#0020000C	20	3.3	C	85	125	15	0.7	6	3.5	0.160	0.096	0.064
CA45T475#0020000A	20	4.7	A	85	125	15	0.9	6	4	0.127	0.076	0.051
CA45T475#0020000B	20	4.7	B	85	125	15	0.9	6	2.8	0.164	0.098	0.065
CA45T475#0020000C	20	4.7	C	85	125	15	0.9	6	2.4	0.194	0.116	0.077
CA45T685#0020000A	20	6.8	A	85	125	15	1.4	6	2.4	0.165	0.099	0.066
CA45T685#0020000B	20	6.8	B	85	125	15	1.4	6	2.4	0.177	0.106	0.071
CA45T685#0020000C	20	6.8	C	85	125	15	1.4	6	1.9	0.218	0.131	0.087
CA45T106#0020000A	20	10	A	85	125	15	2	8	3.5	0.136	0.082	0.055
CA45T106#0020000B	20	10	B	85	125	15	2	6	2	0.194	0.116	0.077
CA45T106#0020000C	20	10	C	85	125	15	2	6	1.2	0.274	0.164	0.110
CA45T156#0020000B	20	15	B	85	125	15	3	6	2	0.194	0.116	0.077
CA45T156#0020000C	20	15	C	85	125	15	3	6	1.7	0.230	0.138	0.092
CA45T156#0020000D	20	15	D	85	125	15	3	6	1	0.324	0.194	0.130
CA45T226#0020000B	20	22	B	85	125	15	4.4	8	1.8	0.204	0.122	0.082
CA45T226#0020000C	20	22	C	85	125	15	4.4	6	1.1	0.286	0.172	0.114
CA45T226#0020000D	20	22	D	85	125	15	4.4	6	0.8	0.362	0.217	0.145
CA45T336#0020000C	20	33	C	85	125	15	6.6	6	1.5	0.245	0.147	0.098
CA45T336#0020000D	20	33	D	85	125	15	6.6	6	0.9	0.342	0.205	0.137
CA45T476#0020000C	20	47	C	85	125	15	9.4	8	0.5	0.424	0.255	0.170
CA45T476#0020000D	20	47	D	85	125	15	9.4	6	0.9	0.342	0.205	0.137
CA45T476#0020000E	20	47	E	85	125	15	9.4	6	0.9	0.373	0.224	0.149
CA45T686#0020000C	20	68	C	85	125	15	13.6	8	0.5	0.424	0.255	0.170
CA45T686#0020000D	20	68	D	85	125	15	13.6	6	0.4	0.512	0.307	0.205
CA45T686#0020000E	20	68	E	85	125	15	13.6	6	0.9	0.373	0.224	0.149
CA45T107#0020000D	20	100	D	85	125	15	20	6	0.5	0.458	0.275	0.183
CA45T107#0020000E	20	100	E	85	125	15	20	6	0.4	0.559	0.335	0.224
CA45T107#0020000V	20	100	V	85	125	15	20	8	0.9	0.408	0.245	0.163
CA45T157#0020000D	20	150	D	85	125	15	30	10	0.9	0.342	0.205	0.137
CA45T157#0020000E	20	150	E	85	125	15	30	8	0.3	0.645	0.387	0.258
CA45T157#0020000V	20	150	V	85	125	15	30	8	0.3	0.707	0.424	0.283
CA45T227#0020000E	20	220	E	85	125	15	44	12	0.9	0.373	0.224	0.149
CA45T227#0020000V	20	220	V	85	125	15	44	12	0.9	0.408	0.245	0.163
CA45T227#0020000W	20	220	W	85	125	15	44	10	0.2	1.000	0.600	0.400
CA45T337#0020000E	20	330	E	85	125	15	66	12	0.8	0.395	0.237	0.158
CA45T337#0020000V	20	330	V	85	125	15	66	12	0.8	0.433	0.260	0.173
CA45T337#0020000W	20	330	W	85	125	15	66	10	0.2	1.000	0.600	0.400
CA45T477#0020000T	20	470	T	85	125	15	94	12	0.2	1.285	0.771	0.514
CA45T334#0025000A	25	0.33	A	85	125	17	0.5	4	15	0.066	0.039	0.026
CA45T474#0025000A	25	0.47	A	85	125	17	0.5	4	13	0.071	0.042	0.028



CA45 Chip Tantalum Capacitors (SMD Tantalum Capacitors)

◆Table 3 Electrical Characteristics

Part Number	Rated Voltage	Nominal Capacitance	Case Code	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25℃	Max DF at +25℃ 100Hz	Max ESR +25℃Ω 100KHz	Ripple Current (mA)		
										100KHz	Max	
	V	uF	C	C	C	V	Ua	%	mΩ	25C	85C	125C
CA45T684#0025000A	25	0.68	A	85	125	17	0.5	4	10	0.081	0.048	0.032
CA45T684#0025000B	25	0.68	B	85	125	17	0.5	4	7.5	0.100	0.060	0.040
CA45T105#0025000A	25	1	A	85	125	17	0.5	4	7.5	0.093	0.056	0.037
CA45T105#0025000B	25	1	B	85	125	17	0.5	4	5	0.122	0.073	0.049
CA45T155#0025000A	25	1.5	A	85	125	17	0.5	4	6.7	0.098	0.059	0.039
CA45T155#0025000B	25	1.5	B	85	125	17	0.5	6	5	0.122	0.073	0.049
CA45T225#0025000A	25	2.2	A	85	125	17	0.6	6	7	0.096	0.058	0.039
CA45T225#0025000B	25	2.2	B	85	125	17	0.6	6	4.5	0.129	0.077	0.052
CA45T225#0025000C	25	2.2	C	85	125	17	0.6	6	3.5	0.160	0.096	0.064
CA45T335#0025000A	25	3.3	A	85	125	17	0.8	6	3.7	0.133	0.080	0.053
CA45T335#0025000B	25	3.3	B	85	125	17	0.8	6	3.5	0.146	0.088	0.059
CA45T335#0025000C	25	3.3	C	85	125	17	0.8	6	2.5	0.190	0.114	0.076
CA45T475#0025000A	25	4.7	A	85	125	17	1.2	6	3.1	0.145	0.087	0.058
CA45T475#0025000B	25	4.7	B	85	125	17	1.2	6	1.5	0.224	0.134	0.089
CA45T475#0025000C	25	4.7	C	85	125	17	1.2	6	2.4	0.194	0.116	0.077
CA45T685#0025000B	25	6.8	B	85	125	17	1.7	6	2.8	0.164	0.098	0.065
CA45T685#0025000C	25	6.8	C	85	125	17	1.7	6	1.9	0.218	0.131	0.087
CA45T685#0025000D	25	6.8	D	85	125	17	1.7	6	1.4	0.274	0.164	0.110
CA45T106#0025000B	25	10	B	85	125	17	2.5	6	2.5	0.173	0.104	0.069
CA45T106#0025000C	25	10	C	85	125	17	2.5	6	1.5	0.245	0.147	0.098
CA45T106#0025000D	25	10	D	85	125	17	2.5	6	1	0.324	0.194	0.130
CA45T156#0025000C	25	15	C	85	125	17	3.8	6	1.5	0.245	0.147	0.098
CA45T156#0025000D	25	15	D	85	125	17	3.8	6	0.9	0.342	0.205	0.137
CA45T226#0025000C	25	22	C	85	125	17	5.5	6	1.4	0.254	0.152	0.101
CA45T226#0025000D	25	22	D	85	125	17	5.5	6	0.9	0.342	0.205	0.137
CA45T336#0025000D	25	33	D	85	125	17	8.3	6	0.9	0.342	0.205	0.137
CA45T336#0025000E	25	33	E	85	125	17	8.3	6	0.9	0.373	0.224	0.149
CA45T476#0025000D	25	47	D	85	125	17	11.8	6	0.9	0.342	0.205	0.137
CA45T476#0025000E	25	47	E	85	125	17	11.8	6	0.9	0.373	0.224	0.149
CA45T476#0025000W	25	47	W	85	125	17	11.8	6	0.3	0.816	0.490	0.327
CA45T686#0025000D	25	68	D	85	125	17	17	6	0.9	0.342	0.205	0.137
CA45T686#0025000E	25	68	E	85	125	17	17	6	0.9	0.373	0.224	0.149
CA45T686#0025000V	25	68	V	85	125	17	17	6	0.9	0.408	0.245	0.163
CA45T107#0025000E	25	100	E	85	125	17	25	10	0.3	0.645	0.387	0.258
CA45T107#0025000V	25	100	V	85	125	17	25	8	0.4	0.612	0.367	0.245
CA45T107#0025000W	25	100	W	85	125	17	25	8	0.25	0.894	0.537	0.358
CA45T157#0025000E	25	150	E	85	125	17	37.5	10	0.8	0.395	0.237	0.158
CA45T157#0025000V	25	150	V	85	125	17	37.5	10	0.4	0.612	0.367	0.245
CA45T157#0025000W	25	150	W	85	125	17	37.5	8	0.25	0.894	0.537	0.358
CA45T227#0025000G	25	220	G	85	125	17	55	10	0.2	1.095	0.657	0.438
CA45T227#0025000S	25	220	S	85	125	17	55	10	0.2	1.183	0.710	0.473
CA45T227#0025000T	25	220	T	85	125	17	55	10	0.2	1.285	0.771	0.514
CA45T337#0025000T	25	330	T	85	125	17	82.5	10	0.2	1.285	0.771	0.514
CA45T104#0035000A	35	0.1	A	85	125	23	0.5	4	24	0.052	0.031	0.021
CA45T154#0035000A	35	0.15	A	85	125	23	0.5	4	19	0.058	0.035	0.023
CA45T224#0035000A	35	0.22	A	85	125	23	0.5	4	18	0.060	0.036	0.024
CA45T334#0035000A	35	0.33	A	85	125	23	0.5	4	15	0.066	0.039	0.026
CA45T474#0035000A	35	0.47	A	85	125	23	0.5	4	12	0.074	0.044	0.029
CA45T474#0035000B	35	0.47	B	85	125	23	0.5	4	8	0.097	0.058	0.039
CA45T684#0035000A	35	0.68	A	85	125	23	0.5	4	8	0.090	0.054	0.036
CA45T684#0035000B	35	0.68	B	85	125	23	0.5	4	6.5	0.107	0.064	0.043
CA45T105#0035000A	35	1	A	85	125	23	0.5	4	7.5	0.093	0.056	0.037

CA45 Chip Tantalum Capacitors (SMD Tantalum Capacitors)

◆Table 3 Electrical Characteristics

Part Number	Rated Voltage	Nominal Capacitance	Case Code	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25 °C	Max DF at +25 °C 100Hz	Max ESR +25 °C Ω 100KHz	Ripple Current (mA)		
										100KHz	Max	
	V	μF	C	C	C	V	Ua	%	mΩ	25C	85C	125C
CA45T105#0035000B	35	1	B	85	125	23	0.5	4	4	0.137	0.082	0.055
CA45T155#0035000A	35	1.5	A	85	125	23	0.5	6	7	0.096	0.058	0.039
CA45T155#0035000B	35	1.5	B	85	125	23	0.5	6	5	0.122	0.073	0.049
CA45T155#0035000C	35	1.5	C	85	125	23	0.5	6	4.5	0.141	0.085	0.057
CA45T225#0035000A	35	2.2	A	85	125	23	0.8	6	4.5	0.120	0.072	0.048
CA45T225#0035000B	35	2.2	B	85	125	23	0.8	6	4	0.137	0.082	0.055
CA45T225#0035000C	35	2.2	C	85	125	23	0.8	6	3.2	0.168	0.101	0.067
CA45T335#0035000B	35	3.3	B	85	125	23	1.2	6	3.5	0.146	0.088	0.059
CA45T335#0035000C	35	3.3	C	85	125	23	1.2	6	2.5	0.190	0.114	0.076
CA45T475#0035000B	35	4.7	B	85	125	23	1.6	6	3.1	0.156	0.093	0.062
CA45T475#0035000C	35	4.7	C	85	125	23	1.6	6	2.2	0.202	0.121	0.081
CA45T475#0035000D	35	4.7	D	85	125	23	1.6	6	1.5	0.265	0.159	0.106
CA45T685#0035000B	35	6.8	B	85	125	23	2.4	6	1.8	0.204	0.122	0.082
CA45T685#0035000C	35	6.8	C	85	125	23	2.4	6	1.8	0.224	0.134	0.089
CA45T685#0035000D	35	6.8	D	85	125	23	2.4	6	1.3	0.284	0.171	0.114
CA45T106#0035000C	35	10	C	85	125	23	3.5	6	1.6	0.237	0.142	0.095
CA45T106#0035000D	35	10	D	85	125	23	3.5	6	1	0.324	0.194	0.130
CA45T106#0035000E	35	10	E	85	125	23	3.5	6	0.9	0.373	0.224	0.149
CA45T156#0035000C	35	15	C	85	125	23	5.3	6	1.4	0.254	0.152	0.101
CA45T156#0035000D	35	15	D	85	125	23	5.3	6	0.8	0.362	0.217	0.145
CA45T156#0035000E	35	15	E	85	125	23	5.3	6	0.9	0.373	0.224	0.149
CA45T226#0035000C	35	22	C	85	125	23	7.7	6	1.4	0.254	0.152	0.101
CA45T226#0035000D	35	22	D	85	125	23	7.7	6	0.7	0.387	0.232	0.155
CA45T226#0035000E	35	22	E	85	125	23	7.7	6	0.5	0.500	0.300	0.200
CA45T336#0035000D	35	33	D	85	125	23	11.6	6	0.9	0.342	0.205	0.137
CA45T336#0035000E	35	33	E	85	125	23	11.6	6	0.9	0.373	0.224	0.149
CA45T336#0035000V	35	33	V	85	125	23	11.6	6	0.5	0.548	0.329	0.219
CA45T476#0035000D	35	47	D	85	125	23	16.5	10	1.2	0.296	0.177	0.118
CA45T476#0035000E	35	47	E	85	125	23	16.5	10	0.9	0.373	0.224	0.149
CA45T476#0035000V	35	47	V	85	125	23	16.5	8	0.4	0.612	0.367	0.245
CA45T686#0035000E	35	68	E	85	125	23	23.8	8	1	0.354	0.212	0.141
CA45T686#0035000V	35	68	V	85	125	23	23.8	6	0.5	0.548	0.329	0.219
CA45T686#0035000W	35	68	W	85	125	23	23.8	6	0.3	0.816	0.490	0.327
CA45T107#0035000G	35	100	G	85	125	23	35	8	0.25	0.980	0.588	0.392
CA45T107#0035000S	35	100	S	85	125	23	35	8	0.25	1.058	0.635	0.423
CA45T107#0035000T	35	100	T	85	125	23	35	8	0.25	1.149	0.689	0.460
CA45T157#0035000T	35	150	T	85	125	23	52.5	8	0.2	1.285	0.771	0.514
CA45T104#0050000A	50	0.1	A	85	125	33	0.5	4	20	0.057	0.034	0.023
CA45T154#0050000A	50	0.15	A	85	125	33	0.5	4	15	0.066	0.039	0.026
CA45T154#0050000B	50	0.15	B	85	125	33	0.5	4	16	0.068	0.041	0.027
CA45T224#0050000A	50	0.22	A	85	125	33	0.5	4	18	0.060	0.036	0.024
CA45T224#0050000B	50	0.22	B	85	125	33	0.5	4	14	0.073	0.044	0.029
CA45T334#0050000A	50	0.33	A	85	125	33	0.5	4	14	0.068	0.041	0.027
CA45T334#0050000B	50	0.33	B	85	125	33	0.5	4	10	0.087	0.052	0.035
CA45T474#0050000A	50	0.47	A	85	125	33	0.5	4	9.5	0.083	0.050	0.033
CA45T474#0050000B	50	0.47	B	85	125	33	0.5	4	9	0.091	0.055	0.037
CA45T474#0050000C	50	0.47	C	85	125	33	0.5	4	8	0.106	0.064	0.042
CA45T684#0050000A	50	0.68	A	85	125	33	0.5	4	7.9	0.091	0.054	0.036
CA45T684#0050000B	50	0.68	B	85	125	33	0.5	4	8	0.097	0.058	0.039
CA45T684#0050000C	50	0.68	C	85	125	33	0.5	4	7	0.113	0.068	0.045
CA45T105#0050000A	50	1	A	85	125	33	0.5	4	6.6	0.099	0.060	0.040
CA45T105#0050000B	50	1	B	85	125	33	0.5	6	6	0.112	0.067	0.045

CA45 Chip Tantalum Capacitors (SMD Tantalum Capacitors)

◆Table 3 Electrical Characteristics

Part Number	Rated Voltage	Nominal Capacitance	Case Code	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25℃	Max DF at +25℃ 100Hz	Max ESR +25℃Ω 100KHz	Ripple Current (mA) 100KHz Max		
										25C	85C	125C
	V	uF	C	C	C	V	Ua	%	mΩ			
CA45T105#0050000C	50	1	C	85	125	33	0.5	4	5	0.134	0.080	0.054
CA45T155#0050000B	50	1.5	B	85	125	33	0.8	8	5.4	0.118	0.071	0.047
CA45T155#0050000C	50	1.5	C	85	125	33	0.8	6	4.5	0.141	0.085	0.057
CA45T155#0050000D	50	1.5	D	85	125	33	0.8	6	3.5	0.173	0.104	0.069
CA45T225#0050000B	50	2.2	B	85	125	33	1.1	8	4.5	0.129	0.077	0.052
CA45T225#0050000C	50	2.2	C	85	125	33	1.1	6	2.5	0.190	0.114	0.076
CA45T225#0050000D	50	2.2	D	85	125	33	1.1	6	2.5	0.205	0.123	0.082
CA45T335#0050000C	50	3.3	C	85	125	33	1.7	6	2	0.212	0.127	0.085
CA45T335#0050000D	50	3.3	D	85	125	33	1.7	6	2	0.229	0.137	0.092
CA45T475#0050000C	50	4.7	C	85	125	33	2.4	4	1.4	0.254	0.152	0.101
CA45T475#0050000D	50	4.7	D	85	125	33	2.4	6	1.2	0.296	0.177	0.118
CA45T685#0050000C	50	6.8	C	85	125	33	3.4	6	1	0.300	0.180	0.120
CA45T685#0050000D	50	6.8	D	85	125	33	3.4	6	1	0.324	0.194	0.130
CA45T685#0050000E	50	6.8	E	85	125	33	3.4	6	1.5	0.289	0.173	0.115
CA45T106#0050000D	50	10	D	85	125	33	5	6	0.8	0.362	0.217	0.145
CA45T106#0050000E	50	10	E	85	125	33	5	6	1	0.354	0.212	0.141
CA45T106#0050000V	50	10	V	85	125	33	5	6	0.65	0.480	0.288	0.192
CA45T156#0050000D	50	15	D	85	125	33	7.5	6	0.6	0.418	0.251	0.167
CA45T156#0050000E	50	15	E	85	125	33	7.5	6	0.6	0.456	0.274	0.183
CA45T156#0050000V	50	15	V	85	125	33	7.5	6	0.6	0.500	0.300	0.200
CA45T226#0050000E	50	22	E	85	125	33	11	8	0.9	0.373	0.224	0.149
CA45T226#0050000V	50	22	V	85	125	33	11	8	0.6	0.500	0.300	0.200
CA45T226#0050000W	50	22	W	85	125	33	11	6	0.4	0.707	0.424	0.283
CA45T336#0050000G	50	33	G	85	125	33	16.5	6	0.3	0.894	0.537	0.358
CA45T336#0050000S	50	33	S	85	125	33	16.5	6	0.3	0.966	0.580	0.386
CA45T336#0050000W	50	33	W	85	125	33	16.5	6	0.3	0.816	0.490	0.327
CA45T476#0050000S	50	47	S	85	125	33	23.5	6	0.3	0.966	0.580	0.386
CA45T476#0050000T	50	47	T	85	125	33	23.5	6	0.3	1.049	0.629	0.420
CA45T686#0050000T	50	68	T	85	125	33	34	6	0.25	1.149	0.689	0.460
CA45T107#0050000T	50	100	T	85	125	33	50	8	0.25	1.149	0.689	0.460
CA45T334#0063000C	63	0.33	C	85	125	40	0.5	6	9	0.100	0.060	0.040
CA45T474#0063000C	63	0.47	C	85	125	40	0.5	6	7	0.113	0.068	0.045
CA45T684#0063000C	63	0.68	C	85	125	40	0.5	6	6	0.122	0.073	0.049
CA45T105#0063000C	63	1	C	85	125	40	0.6	6	5	0.134	0.080	0.054
CA45T155#0063000D	63	1.5	D	85	125	40	0.9	6	3.5	0.173	0.104	0.069
CA45T225#0063000D	63	2.2	D	85	125	40	1.4	6	2	0.229	0.137	0.092
CA45T335#0063000D	63	3.3	D	85	125	40	2.1	6	1.5	0.265	0.159	0.106
CA45T475#0063000E	63	4.7	E	85	125	40	3	6	1	0.354	0.212	0.141
CA45T685#0063000E	63	6.8	E	85	125	40	4.3	6	0.8	0.395	0.237	0.158
CA45T106#0063000E	63	10	E	85	125	40	6.3	8	0.6	0.456	0.274	0.183
CA45T106#0063000W	63	10	W	85	125	40	6.3	6	0.4	0.707	0.424	0.283
CA45T156#0063000E	63	15	E	85	125	40	9.5	8	0.4	0.559	0.335	0.224
CA45T156#0063000V	63	15	V	85	125	40	9.5	8	0.4	0.612	0.367	0.245
CA45T156#0063000W	63	15	W	85	125	40	9.5	8	0.4	0.707	0.424	0.283
CA45T226#0063000G	63	22	G	85	125	40	13.9	6	0.4	0.775	0.465	0.310
CA45T226#0063000V	63	22	V	85	125	40	13.9	8	0.4	0.612	0.367	0.245
CA45T226#0063000W	63	22	W	85	125	40	13.9	6	0.4	0.707	0.424	0.283
CA45T336#0063000T	63	33	T	85	125	40	20.8	6	0.3	1.049	0.629	0.420
CA45T476#0063000T	63	47	T	85	125	40	29.6	6	0.3	1.049	0.629	0.420
CA45T686#0063000T	63	68	T	85	125	40	42.8	6	0.25	1.149	0.689	0.460
CA45T224#0075000C	75	0.22	C	85	125	50	0.5	6	11	0.090	0.054	0.036
CA45T334#0075000C	75	0.33	C	85	125	50	0.5	6	9	0.100	0.060	0.040

CA45 Series Chip Tantalum Capacitors (SMD Tantalum Capacitor)

◆Table 3 Electrical Characteristics

Part Number	Rated Voltage	Nominal Capacitance	Case Code	Rated Temperature	Category Temperature	Category Voltage	Max DCL at +25°C	Max DF at +25°C 100Hz	Max ESR +25°C Ω 100KHz	Ripple Current (mA)		
										100KHz	Max	
	V	μF	C	C	C	V	Ua	%	mΩ	25C	85C	125C
CA45T474#0075000C	75	0.47	C	85	125	50	0.5	6	7	0.113	0.068	0.045
CA45T684#0075000C	75	0.68	C	85	125	50	0.5	6	6	0.122	0.073	0.049
CA45T105#0075000D	75	1	D	85	125	50	0.8	6	4.5	0.153	0.092	0.061
CA45T155#0075000D	75	1.5	D	85	125	50	1.1	6	3.5	0.173	0.104	0.069
CA45T225#0075000E	75	2.2	E	85	125	50	1.7	6	1.8	0.264	0.158	0.105
CA45T335#0075000E	75	3.3	E	85	125	50	2.5	6	1.3	0.310	0.186	0.124
CA45T475#0075000E	75	4.7	E	85	125	50	3.5	6	0.9	0.373	0.224	0.149
CA45T475#0075000V	75	4.7	V	85	125	50	3.5	6	0.9	0.408	0.245	0.163
CA45T475#0075000W	75	4.7	W	85	125	50	3.5	6	0.6	0.577	0.346	0.231
CA45T685#0075000G	75	6.8	G	85	125	50	5.1	6	0.5	0.693	0.416	0.277
CA45T685#0075000S	75	6.8	S	85	125	50	5.1	6	0.4	0.837	0.502	0.335
CA45T106#0075000S	75	10	S	85	125	50	7.5	6	0.4	0.837	0.502	0.335
CA45T106#0075000T	75	10	T	85	125	50	7.5	6	0.4	0.908	0.545	0.363
CA45T156#0075000S	75	15	S	85	125	50	11.3	6	0.4	0.837	0.502	0.335
CA45T156#0075000T	75	15	T	85	125	50	11.3	6	0.35	0.971	0.583	0.388
CA45T226#0075000T	75	22	T	85	125	50	16.5	6	0.35	0.971	0.583	0.388
CA45T224#0100000C	100	0.22	C	85	125	63	0.5	6	10	0.095	0.057	0.038
CA45T334#0100000C	100	0.33	C	85	125	63	0.5	6	8	0.106	0.064	0.042
CA45T474#0100000C	100	0.47	C	85	125	63	0.5	6	6.5	0.118	0.071	0.047
CA45T684#0100000D	100	0.68	D	85	125	63	0.7	6	5	0.145	0.087	0.058
CA45T105#0100000D	100	1	D	85	125	63	1	6	4.5	0.153	0.092	0.061
CA45T155#0100000E	100	1.5	E	85	125	63	1.5	6	3	0.204	0.122	0.082
CA45T225#0100000E	100	2.2	E	85	125	63	2.2	6	1.5	0.289	0.173	0.115
CA45T225#0100000V	100	2.2	V	85	125	63	2.2	6	1.5	0.316	0.190	0.126
CA45T475#0100000G	100	4.7	G	85	125	63	4.7	6	0.6	0.632	0.379	0.253
CA45T475#0100000W	100	4.7	W	85	125	63	4.7	6	0.55	0.603	0.362	0.241
CA45T685#0100000S	100	6.8	S	85	125	63	6.8	6	0.4	0.837	0.502	0.335
CA45T685#0100000T	100	6.8	T	85	125	63	6.8	6	0.4	0.908	0.545	0.363
CA45T106#0100000S	100	10	S	85	125	63	10	6	0.4	0.837	0.502	0.335
CA45T106#0100000T	100	10	T	85	125	63	10	6	0.4	0.908	0.545	0.363
CA45T156#0100000T	100	15	T	85	125	63	15	6	0.35	0.971	0.583	0.388
CA45T226#0100000T	100	22	T	85	125	63	22	6	0.3	1.049	0.629	0.420

Important Note

1. Please do not use multimeter to test tantalum capacitors.
2. Capacitance and DF measured at :100Hz , $U_{-} = 2.2^{+1.0}_{-0.5} V$, $U_{+} \sim 1.0^{+0.5}_{-0.5} V$, 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.