CA45 Chip Tantalum Capacitors

ozor

Features

Solid tantalum chip capacitors designed and manufactured with the demanding requirements of surface mount technology in mind. There are A, B, C, D, E, S six case codes. They have lower ESR Compared with the dipped tantalum capacitors .The product compatible with automatic pick and place equipment. Suitable for military equipment and computer ,ceil telephone and other electronic products. Meets the requirements of EIA 535BAAC and QC300801, Q/YHC.45-01 standard.

General Characteristics

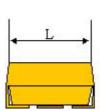
- Operating temperature: -55 $\sim +125$ (above 85 ,use dreaded voltage).
- Capacitance Tolerance: $\pm 20\%$, $\pm 10\%$.
- Capacitance Range: 0.1μF~330μF.
- Voltage Rating: 4V~50V.
- DC leakage current(20): $I0 \le 0.01$ CRUR or 0.5μ A (whichever is greater)
- Dissipation factor (20): see table 1.
- Temperature performance: see table 1.
- Climatic category: 55/125/21.
- Life test: 2000 hours.
- Reliability: 2% per 1000h at 85 with $0.1\Omega/V$ series impedance 60% confidence level

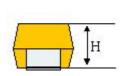
Table 1

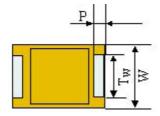
	Cap. (µF)	Capacitance Change (%)				Max	D.F (%)	Max DCL (μA)		
		-55	+85	+125	-55	+20	+85	+125	+85	+125
	≤1.0	-10	+10	+12	6	4	6	6	10 I ₀	12.5 I ₀
	1.5-68	-10	+10	+12	10	6	10	10	10 I ₀	12.5 I ₀
	≥100	-10	+10	+12	12	8	12	12	10 I ₀	12.5 I ₀

≥ Drawing And Dimension

Exterior Dimensions >>>







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CASE	EIA / IECQ	L	W	Н	P	T_{W}
A	3216	3.2±0.2	1.6±0.2	1.6±0.2	0.8±0.3	1.2±0.1
В	3528	3.5±0.2	2.8±0.2	1.9±0.2	0.8±0.3	2.2±0.1
С	6032	6.0±0.3	3.2±0.3	2.5±0.3	1.3±0.3	2.2±0.1
D	7343	7.3±0.3	4.3±0.3	2.8±0.3	1.3±0.3	2.4±0.1
Е	7343	7.3±0.3	4.3±0.3	4.0±0.3	1.3±0.3	2.4±0.3
S	2012	2.0±0.2	1.2±0.2	1.2±0.2	0.5±0.3	1.2±0.1

Rating and Case Code

C (μF) DC (V)	0.1 ~ 0.33	0.47	0.68	1.0	1.5	2.2	3.3	4.7	6.8	10	15
4					S	S	A/S	A/S	A/S	B/A	B/A
6.3				A/S	A/S	A/S	A/S	A/S	B/A	B/A	B/A
10			S	A/S	A/S	A/S	A/S	B/A	B/A	B/A	C/B/A
16		S	A/S	A/S	B/A	B/A	B/A	B/A	C/B/A	C/B/A	C/B
20	S	A/S	A/S	A	B/A	B/A	C/B/A	D/C/B	D/C/B	D/C/B	D/C
25	A	A	A	B/A	B/A	B/A	C/B	C/B	D/C/B	D/C/B	D/C
35	A	B/A	B/A	B/A	C/B	C/B	С	D/C	D/C	D/C	E/D
50	A	B/C	B/C	B/C	С	С	D	D	E/D		

C (μF) DC (V)	22	33	47	68	100	150	220	330	470
4	A/B	C/B/A	D/C/B	D/C/B	D/C/B	D/C	D/C	D	E/D
6.3	B/A	C/B	C/B	D/C/B	D/C	D/C	E/D/C	E/D	
10	C/B	D/C/B	D/C/B	D/C	D/C	E/D/C	E/D	Е	
16	D/C/B	D/C	D/C	D/C	D	Е	Е		
20	D/C	D/C	E/D/C	E/D	Е				
25	D/C	E/D	E/D	Е					
35	E/D								
50									

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How to order

(CA42 106 M 035 A T)

CA45	106	M	035	D	T
Туре	Capacitance	Tolerance	DC voltage	Case Size	Packaging
			Rated voltage	A 2 2*1 C	
	105 10X10 ⁵ (pF)This is expressed		4V=004 6.3V=006	A:3.2*1.6 B:3.5*2.8	T= Tape and reel
CA45 stand for Chip Tantalum	in picofarads. The first two digits are the significant figures. The	K=±10%	10V=010	C:6.0*3.2	B=bulk pack
Capacitors	third is the number of zeros to	M=±20%	16V=016 25V=025	D:7.3*4.3	
	follow.		25V=025 35V=035	E:7.3*4.3 S:2.0*1.2	
			50V=050		