

TAJ ESCC Tantalum Capacitors



SMD Solid Tantalum Chip Capacitors

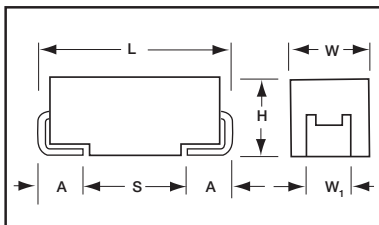


Capacitors, Fixed, Leadless Surface Mount, Chip, Solid electrolyte Tantalum for use in ESCC space programs, according to ESCC Generic Specification

3012 and associated Detail Specification 3012/001 as recommended by the Space Components Coordination Group (ranges in table below).



CASE DIMENSIONS: millimeters (inches)



Code	EIA Code	Variant	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H+0.20 (0.008) -0.10 (0.004)	W ₁ ±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
A	3216-18	01 & 11	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
B	3528-21	02 & 12	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
C	6032-28	03 & 13	6.00 (0.236)	3.20 (0.126)	2.60 (0.102)	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
D	7343-31	04 & 14	7.30 (0.287)	4.30 (0.169)	2.90 (0.114)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
E	7343-43	07 & 17	7.30 (0.287)	4.30 (0.169)	4.10 (0.162)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
R	2012-12	08 & 18	2.05 (0.081)	1.30 (0.051)	1.20 (0.047) max.	1.0±0.1 (0.039±0.004)	0.50 (0.020)	0.85 (0.033)
S	3216-12	09 & 19	3.20 (0.126)	1.60 (0.063)	1.20 (0.047) max.	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
T	3528-12	10 & 20	3.50 (0.138)	2.80 (0.110)	1.20 (0.047) max.	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)

W₁ dimension applies to the termination width for A dimensional area only.

HOW TO ORDER

AVX PART NUMBER:

TAJ	A	475	K	010	ESA	*
Type	Case Size See table above	Capacitance Code pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow)	Tolerance K = ±10%	Rated DC Voltage 004 = 4Vdc 006 = 6.3Vdc 010 = 10Vdc 016 = 16Vdc 020 = 20Vdc 025 = 25Vdc 035 = 35Vdc 050 = 50Vdc	ESCC Suffix	Please contact manufacturer for details on LAT, surge current screening and other requirements.

ESCC PART NUMBER – MANDATORY FOR ORDERING:

3012 001	01	C	226	V	K
Detail Specification	Variant Please contact manufacturer for details and availability	Testing Level C or B	Capacitance Code pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow)	Voltage G = 4V J = 6.3V A = 10V C = 16V D = 20V E = 25V V = 35V T = 50V represents multiplier (number of zeros to follow)	Tolerance K = ±10%



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CAPACITANCE AND RATED VOLTAGE, V_R (VOLTAGE CODE) RANGE (LETTER DENOTES CASE SIZE)

Capacitance		Rated Voltage DC (V_R) at 85°C							
μF	Code	4V	6.3V	10V	16V	20V	25V	35V	50V
0.1	104					R/S		A	A
0.15	154					R/S		A	B
0.22	224					R/S		A	B
0.33	334					R/S		A	B
0.47	474					R/S	A	A/B	C
0.68	684				R/S	A/S/T	A	A/B	C
1	105			R/S	A/R/T	A/S/T	A	B/T	C
1.5	155		R/S	A/R	A/S	A/T	B	B/C	D
2.2	225	R/S	A/R	A/S	A/B/T	B/T	B	B/C	D
3.3	335	A/R/S	A/R/S	A/T	A/B/T	B	B/C	C	D
4.7	475	A/R/S	A/T	A/B/T	B	B/C	C	C/D	D
6.8	685	A/R/T	A/B/T	B	B/C	C	C/D	D	
10	106	A/B/T	B	B/C	C	C	C/D	D	
15	156	B	B/C	C	C	C/D	D	D	
22	226	B/C	C	C	C/D	D	D	E	
33	336	C	C	C/D	D	D	E		
47	476	C/D	C/D	D	D	E			
68	686	C/D	D	D	D	E			
100	107	D	D	D	E				
150	157	D	D	E					
220	227	E	E	E					

LAT TESTING

AVX can perform the following Lot Acceptance Test according to ESCC

- LAT 3 Qty. 10 pcs. - 4 pieces of which are “destructive samples”, the remaining 6 pieces may be for part of the Order Qty. OR be additional to the order Qty.
- LAT 2 Qty. 26 pcs. - including the 10 pieces of LAT3. The additional 16 pieces are “destructive samples”.
- LAT 1 Qty. 34 pcs. - including the 26 pieces of LAT2. The additional 8 pieces are all “destructive samples”.

OPTION

Packaging: Tape and reel available on request – Contact marketing.