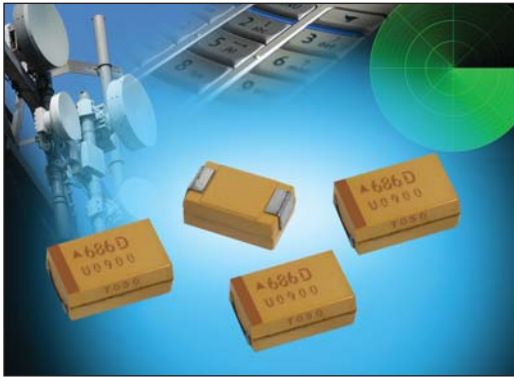


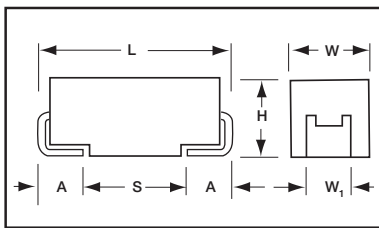
# TAJ CECC Tantalum Capacitors



## SMD Solid Tantalum Chip Capacitors



Capacitors, Fixed, Leadless Surface Mount, Chip, Solid electrolyte Tantalum for use in avionics and industrial applications, tested to CECC Specification 30801-005 and 30801-011 (CTC4).



### 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 <sub>1</sub> ±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)

W<sub>1</sub> dimension applies to the termination width for A dimensional area only.

### HOW TO ORDER

**TAJ**  
Type

**A**  
Case Size  
See table above

**475**  
Capacitance Code  
pF code:  
1st two digits represent significant figures  
3rd digit represents multiplier (number of zeros to follow)

**K**  
Tolerance  
K = ±10%  
M = ±20%

**010**  
Rated DC Voltage  
006 = 6.3Vdc  
010 = 10Vdc  
016 = 16Vdc  
020 = 20Vdc  
025 = 25Vdc  
035 = 35Vdc  
050 = 50Vdc

**R**  
Termination Finish  
R = 7" T/R 100% Tin  
S = 13" T/R 100% Tin  
A = Gold Plating 7" Reel  
B = Gold Plating 13" Reel  
H = Tin Lead 7" Reel  
K = Tin Lead 13" Reel

**FJ**  
Suffix  
FJ = CECC 30801-011(CTC4)  
Y = CECC 30801-005



### TECHNICAL SPECIFICATIONS

Technical Data:	All technical data relate to an ambient temperature of +25°C								
Capacitance Range:	0.1 µF to 100 µF								
Capacitance Tolerance:	±10%; ±20%								
Rated Voltage DC (V <sub>R</sub> )	≤+85°C:	6.3	10	16	20	25	35	50	
Category Voltage (V <sub>C</sub> )	≤+125°C:	4	7	10	13	17	23	33	
Surge Voltage (V <sub>S</sub> )	≤+85°C:	8	13	20	26	32	46	65	
Surge Voltage (V <sub>S</sub> )	≤+125°C:	5	8	13	16	20	28	40	
Temperature Range:	-55°C to +125°C								
Reliability:	1% per 1000 hours at 85°C, V <sub>R</sub> with 0.1Ω/V series Impedance, 60% confidence level								



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

#### BS CECC30801-005

Capacitance		Rated Voltage DC ( $V_R$ ) at 85°C						
$\mu\text{F}$	Code	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.10	104						A	A
0.15	154						A	A/B
0.22	224						A	A/B
0.33	334						A	B
0.47	474					A	A/B	C
0.68	684				A	A	A/B	C
1.0	105			A	A	A	B	C
1.5	155		A	A	A	A/B	B/C	D
2.2	225	A	A	A/B	B	B	B/C	D
3.3	335	A	A	A/B	B	B/C	C/D	D
4.7	475	A	A/B	B/C	B/C	C	C/D	D
6.8	685	A/B	B	B/C	C/D	C/D	D	D
10	106	A/B	B/C	B/C/D	C	C/D	D	
15	156	B/C	B/C/D	C	C/D	D	D	
22	226	B/C/D	C	C/D	D	D		
33	336	C	C/D	D	D			
47	476	C/D	D	D				
68	686	C/D	D	D				
100	107	D	D					
150	157							
220	227							

#### BS CECC30801-011 (CTC4)

Capacitance		Rated Voltage DC ( $V_R$ ) at 85°C						
$\mu\text{F}$	Code	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.10	104						A	A
0.15	154						A	B
0.22	224						A	B
0.33	334						A	B
0.47	474					A	B	C
0.68	684				A		B	C
1.0	105			A			B	C
1.5	155		A			B	C	D
2.2	225	A			B		C	D
3.3	335			B			C	D
4.7	475		B			C	D	D
6.8	685	B			C		D	
10	106			C		D	D	
15	156		C		D	D		
22	226	C		D	D			
33	336		D	D				
47	476	D	D					
68	686	D						
100	107							
150	157							
220	227							

NOTE: Voltage ratings are minimum values. AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

