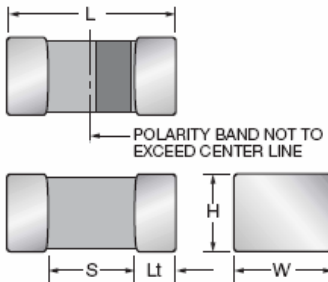


Type CCT Tantalum Chip Capacitor



The world's smallest surface mount Tantalum capacitor, small enough to create space providing room for ideas to grow.
The Type CCT is a major breakthrough in miniaturization without reduction in performance.

It offers you the highest energy store in an 0603 or 0805 case size; enhanced high frequency operation through unique ESR performance with temperature and voltage stability.



CASE DIMENSIONS: millimeters (Inches)

Code	EIA Code	EIA Metric	Length (L)	Width (W)	Height (H)	Termination Spacing(S)	Termination Length (Lt)	Average Mass
K	0402	1005-05	1.00 ^{+0.20} / _{-0.00} (0.039 ^{+0.008} / _{-0.000})	0.50 ^{+0.20} / _{-0.00} (0.020 ^{+0.008} / _{-0.000})	0.50 ^{+0.20} / _{-0.00} (0.020 ^{+0.008} / _{-0.000})	0.40 min.	0.10 (0.004)	2.0mg
L	0603	1608-08	1.60 ^{+0.25} / _{-0.15} (0.063 ^{+0.010} / _{-0.006})	0.85 ^{+0.20} / _{-0.10} (0.033 ^{+0.008} / _{-0.004})	0.85 ^{+0.20} / _{-0.10} (0.033 ^{+0.008} / _{-0.004})	0.65 min.	0.15 (0.006)	8.6mg
R	0805	2012-12	2.00 ^{+0.25} / _{-0.15} (0.079 ^{+0.010} / _{-0.006})	1.35 ^{+0.20} / _{-0.10} (0.053 ^{+0.008} / _{-0.004})	1.35 ^{+0.20} / _{-0.10} (0.053 ^{+0.008} / _{-0.004})	0.85 min.	0.15 (0.006)	29.9mg
A	1206	3216-16	3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	1.60±0.20 (0.063±0.008)	2.00 min.	0.15 (0.006)	44.6mg

STANDARD COMMERCIAL RANGE (EIA Sizes) (LETTER DENOTES CASE SIZE)

Capacitance		Voltage Rating DC (VR) at 85°C					
Cap. (µF)	Code	2.0V	3.0V	4.0V	6.3V	10V	16V
0.33	334						
0.47	474					K/L	
0.68	684					K/L	
1.0	105				K/L	K/L	L
1.5	155			L	L	L	
2.2	225		K/L	L	K/L	L	L
3.3	335	K/L	K/L	L	L	L/R	
4.7	475	K/L	K/L	K/L	L	L/R	
6.8	685	L	L	L	R	R	
10.0	106	L	L	L/R	L/R	R	R
15.0	156		R	L/R	L/R	R	
22.0	226	R	L/R	R	R	A	
33.0	336	R	R	R	R	A	
47.0	476	R	R		A		
68.0	686	R	R	A			
100	107		A	A			
150	157						
220	227	A					

Developmental Ratings - subject to change

Available Ratings

Part Number:

CCT-Size-Value (XX plus multiplier)-Tolerance-Termination-Voltage (3 places)-Pack

Sample:

BREL P/N CCT0805686MN003ER7

Type CCT-0805 6.8µFd/±20%/3.0VDC/Nickel-Tin Termination/Plastic Embossed Tape/Reel (7 inch diameter)



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