

Topdiode capacitors factory is ISO 9001: 2008 & ISO 14001: 2004 certified. Since increasing pressure on labor cost in China, the factory have invested almost US\$900,000 to update equipment during 2009 and 2010. Topdiode capacitors factory, as a leading auto manufacturer of CL21 metallized polyester capacitors in China, has the capacity over 60KKpcs per month.


Topdiode provides tantalum capacitors at military and industrial level. CA42 Dipped type & CA45 SMT type are qualified alternatives for AVX, Kemet, Vishay's tantalum capacitor. Topdiode commits to offering new, original and high quality parts with competitive price and fast sales support.

Capacitors Part Number System


Capacitors Cross Reference

Tantalum Capacitors

CA42 Radial Epoxy Dipped Tantalum Capacitor

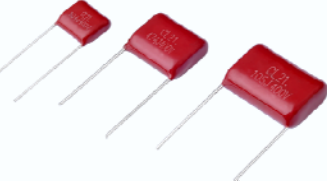
Operating Temperature:	-55°C~+125°C; >85°C (with rated voltage derating)	
DC Leakage at 25°C:	$I_0 \leq 0.01 C_R U_R$ or 0.5 uA (Choose the greater one)	
Capacitance Range:	0.1μF~1000μF	
Voltage Range:	4V, 6.3V, 10V, 16V, 25V, 35V, 40V, 50V	
Capacitance Tolerance:	K: ±10%; M: ±20% (Standard Tolerance)	
Pitch Size:	2.54mm & 5.08mm	
Package Type:	Bulk; Ammo Taped Package	
Cross Reference:	AVX TAP, Kemet T350-T390; Nemco TB Series	

CA45 Chip Tantalum Capacitors (General Purpose)

Operating Temperature:	-55°C ~ +125°C; >85°C (with rated voltage derating)	
DC Leakage at 25°C:	$I_0 \leq 0.01 C_R U_R$ or 0.5 uA (Choose the greater one)	
Capacitance Range:	0.1μF~1000μF	
Voltage Range:	4V, 6.3V, 10V, 16V, 20V, 25V, 35V, 40V, 50V, 63V	
Capacitance Tolerance:	K: ±10%; M: ±20% (Standard Tolerance)	
Pitch Size:	A, B, C, D, E case	
Package Type:	Tape & Reel	
SPQ/MPQ:	A case: 2500pcs per reel; B case: 2000pcs per reel C, D, E case: 1000pcs per reel;	
Cross Reference:	AVX TAJ series, Kemet T491 Series, Vishay 293D	


Plastic Film Capacitors

CL21 Metallized Polyester Capacitors

Operating Temperature	-40°C ~ +85°C	
Rated Voltage:	100VDC, 250VDC, 400VDC, 630VDC	
Capacitance Range:	0.01 ~ 10uF	
Capacitance Tolerance:	±5% (on request), ±10% (Standard)	
Insulation Resistance:	$C \leq 0.33\mu F, IR > 30000M\Omega$ at 100VDC 60SEC $C > 0.33\mu F, IR \geq 10000S(M\Omega/\mu F)$ at 100VDC 60SEC	
Dissipation Factor	≤0.01 (at 1KHz)	
Cross Reference:	Pilkor PCMT365-367, 369, Panasonic ECQV/ECQU	

Cerami Capacitor

CT4 Radial Multilayer Ceramic Capacitors

	NPO	X7R	Y5V	
Operating Temperature:	-55°C ~ +125°C	-55°C ~ +125°C	-25°C ~ +	
Tolerance:	+/-5%	+/-10%	+/-20%	
Capacitance Range:	0.5pF~22uF			
Voltage Range:	50V, 63V, 100V; 200V 500V on request			
Pitch Size:	2.54mm, 5.08mm			
Chip Size:	0603, 0805, 1206, 1210 Chip Inside			
Shape:	a, b, C1, C2, C3 Shape			
Package Type:	Bulk, Ammo Taped			
Cross Reference:	Murata RPE series, AVX Skycap SR Series			