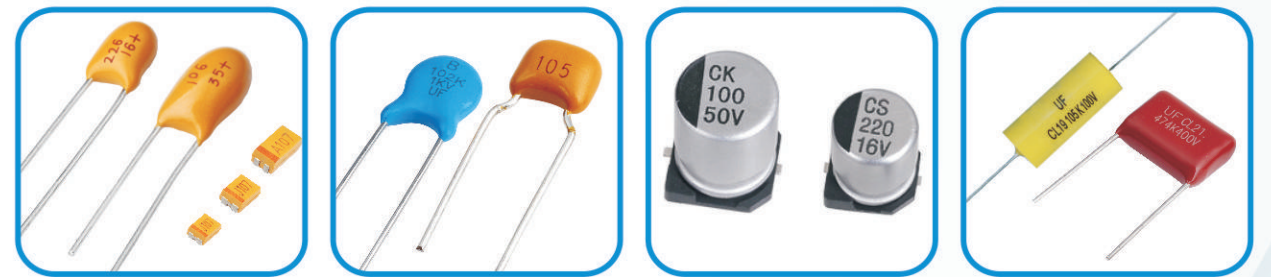




UF Capacitors

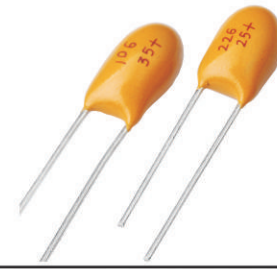


GJB90018-2009 Military Qualification
ISO 9001: 2008 & ISO 14001: 2004 Certified Factory

Tantalum Electrolytic Capacitors & Aluminum Electrolytic Capacitors (SMD)

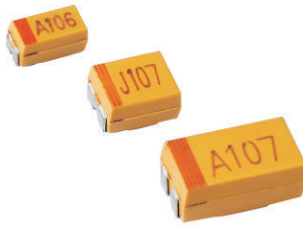
CA42 Radial Epoxy Dipped Tantalum Capacitor

Operating Temperature:	-55°C~+125°C; >85°C (with rated voltage derating)
DC Leakage at 25°C:	$I_0 \leq 0.02 C_R U_R$ or 1 uA (Choose the greater one)
Capacitance Range:	0.1μF~1000μF
Voltage Range:	6.3V, 10V, 16V, 25V, 35V, 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
Certifications:	Factory Military Certificate GJB90018-2009; RoHS 2011/65/EU; Reach Compliant; Metal Conflict Free



CA45 Chip Tantalum Capacitors (General Purpose)

Operating Temperature:	-55°C~+125°C; >85°C (with rated voltage derating)
DC Leakage at 25°C:	$I_0 \leq 0.02 C_R U_R$ or 1 uA (Choose the greater one)
Capacitance Range:	0.1μF~1000μF
Voltage Range:	4V, 6.3V, 10V, 16V, 20V, 25V, 35V, 40V, 50V, 63V, 75V, 100V
Capacitance Tolerance:	K: ±10%; M: ±20% (Standard Tolerance)
Case Size:	A, B, C, D, E case (SMT)
Package Type:	Tape & Reel
SPQ/MPQ:	Reel Qty.: A B 2000pcs; C D 500pcs; E 400pcs
Cross Reference:	AVX TAJ series, Kemet T491 Series, Vishay 293D
Certifications:	Factory Military Certificate GJB90018-2009; RoHS 2011/65/EU; Reach Compliant; Metal Conflict Free



Remark: CA45U Low ESR Chip Tantalum Capacitor available on request

TCS Series 85°C 2000 Hours V-Chip Aluminum Electrolytic Capacitor (SMD E CAP)

TCS Series:	Standard, 85°C V-chip aluminum electrolytic capacitors
Temperature:	-40°C~+85°C
Load life:	2000 hrs.
Voltage:	4V ~ 100V.DC
Capacitance:	0.1μF~ 10000μF
Tolerance:	±20% at 120Hz, 20°C
Size:	4x5.4, 5x5.4, 6.3x5.4, 6.3x7.7, 8x6.2, 8x10.5, 10x10.5, 10x13.5, 12.5x13.5
Certifications:	ISO 9001: 2008; ISO 14001:2004; RoHS 2011/65/EU; Reach 155 SVHC; Halogen Free Cert.



TCK Series 105°C 2000 Hours V-Chip Aluminum Electrolytic Capacitor (SMD E CAP)

TCK Series:	Standard, 105°C V-chip aluminum electrolytic capacitors
Temperature:	-40°C~+105°C
Load life:	2000 hrs. (1000 hrs. for Ø4~Ø6.3x5.4)
Voltage:	4V ~ 100V.DC
Capacitance:	0.1μF~ 10000μF
Tolerance:	±20% at 120Hz, 20°C
Size:	4x5.4, 5x5.4, 6.3x5.4, 6.3x7.7, 8x6.2, 8x10.5, 10x10.5, 10x13.5, 12.5x13.5
Certifications:	ISO 9001: 2008; ISO 14001:2004; RoHS 2011/65/EU; Reach 155 SVHC; Halogen Free Cert.

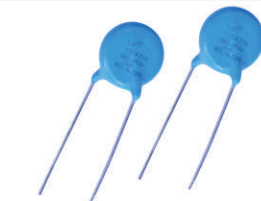


Remark: Low Impedance & Long Life SMD E Cap Series are available on request

Leaded Varistors (MOVs)

VAR Series Metal Oxide Varistor (MOVs)

Temperature:	-40°C~+85°C
Design:	Leaded Disc, Round type
Voltage:	18V~1800V
Size:	05D, 07D, 10D, 14D, 20D
Tolerance:	±10%
Package Type:	Cut leg, Bulk, Ammo Taped, T&R.
Certifications:	ISO 9001: 2008; ISO 14001:2004; RoHS 2011/65/EU; Reach 155 SVHC; Halogen Free Cert.; VDE, UL, CQC safety approvals

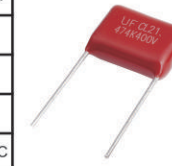


Remark: High Energy MOVs (Advanced Series) available on request

Plastic Film Capacitors

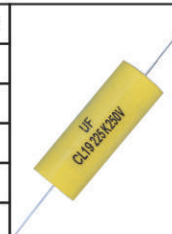
CL21 Metallized Polyester Capacitors

Temperature:	-40°C ~ +85°C (105°C on Request)
Rated Voltage:	100VDC, 250VDC, 400VDC, 630VDC, 1200V
Capacitance:	0.01 ~ 10μF
Tolerance:	±5% (on request), ±10% (Standard)
Resistance:	$C \leq 0.33\mu F, I_R \geq 30000M\Omega$ at 100VDC 60SEC $C > 0.33\mu F, I_R \geq 10000S(M\Omega/\mu F)$ at 100VDC 60SEC
Dissipation Factor:	≤0.01 (at 1KHz)
Cross Reference:	Pilkor PCMT365-367, 369, Panasonic ECQV
Certifications:	ISO 9001: 2008; ISO 14001:2004; RoHS 2011/65/EU; Reach 155 SVHC; Halogen Free



CL19 CL20 Axial Lead Met Polyester Film Capacitors Axial MKT Capacitors

Shape:	CL19: CYCLOIDAL; CL20: Flat Oval Shape
Temperature:	-40°C ~ +105°C
Rated Voltage:	100V, 250V, 400V, 630V.DC
Capacitance:	0.01μF ~ 68μF
Tolerance:	±5%, ±10%
Withstand Voltage:	1.6U _R 2s (1.5U _R 5s)
Certifications:	ISO 9001: 2008; ISO 14001:2004; RoHS 2011/65/EU; Reach 155 SVHC; Halogen Free



CBB21 Metallized Polypropylene Capacitor

Temperature:	-40°C~+85°C
Rated Voltage:	100VDC, 250VDC, 400VDC, 630VDC
Capacitance:	0.01μF~10μF
Tolerance:	±5%; ±10%
Dissipation:	≤0.002 (at 1KHz) (typical 0.001 max)
Package Type:	Bulk, Ammo Taped
Certifications:	ISO 9001: 2008; ISO 14001:2004; RoHS 2011/65/EU; Reach 155 SVHC; Halogen Free



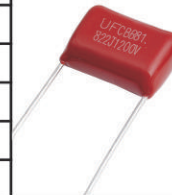
CBB19 CBB20 Axial Lead Met Polypropylene Capacitors Axial MKP Capacitors

Shape:	CBB19: CYCLOIDAL; CBB20: Flat Oval Shape
Temperature:	-55°C ~ +100°C
Rated Voltage:	250V, 400V, 630V, 1000V, 1250V.DC
Capacitance:	0.022μF ~ 56μF
Tolerance:	±5%, ±10%
Withstand Voltage:	1.7U _R 2s (1.5U _R 5s)
Certifications:	ISO 9001: 2008; ISO 14001:2004; RoHS 2011/65/EU; Reach 155 SVHC; Halogen Free



CBB81 High Voltage Met. Polypropylene Capacitor

Temperature:	-40°C~+85°C(105°C on Request)
Rated Voltage:	1000VDC, 1250VDC, 1600VDC, 2000VDC
Capacitance:	0.001μF ~ 0.15μF
Tolerance:	±5%; ±10%
Dissipation:	≤0.1% (at 20°C, 1KHz)
Package Type:	Bulk, Ammo Taped
Certifications:	ISO 9001: 2008; ISO 14001:2004; RoHS 2011/65/EU; Reach 155 SVHC; Halogen Free



CBB60 Motor Start Capacitor AC Metalized Polypropylene Capacitors

Temperature:	-40°C~+85°C
Capacitance:	1μF ~ 100μF
Tolerance:	±5%; ±10%
Rated Voltage:	250VAC 450V AC
Dissipation (DF):	≤0.004 1KHz
Insulation Res.:	≥3000 S
Package Type:	Bulk
Certifications:	ISO 9001:2008 VDE, UL, CQC, RoHS



Ceramic Capacitor (THT & SMD)

CT4 Radial Multilayer Ceramic Capacitors CT42 Axial Lead Multilayer Ceramic Capacitors

	NPO	X7R	Y5V	
Temperature:	-55°C~+125°C	-55°C~+125°C	-25°C~+85°C	CT4 Radial Leaded
Tolerance:	±5%	±10%	±20%	
Capacitance:	0.5pF~100uF			
Voltage Range:	50V 63V 100V 200V 500V 1KV 2KV.			
Pitch Size:	2.54mm, 5.08mm, Axial lead			
Chip Size:	0603, 0805, 1206, 1210 Chip Inside			
Shape:	a, b, C1, C2, C3 Shape; axial lead			CT42 Axial Leaded
Package Type:	Bulk, Ammo Taped, T&R.			
Cross Reference:	Murata RPE series, AVX Skycap SR Series			
Certifications:	ISO 9001: 2008; RoHS 2011/65/EU; Reach 155 SVHC			



CT41: Chip Multilayer Ceramic Capacitors Chip MLCC

Dielectric:	NPO	X7R	Y5V	X5R	
Capacitance:	0.1pF-0.1uF	100pF-47uF	0.01uF-100uF	100pF-220uF	
Tolerance:	±0.25pF; ±0.5pF; ±2%; +/-5%; ±10%; ±20%				
Voltage:	6.3V~6KV				
Case Size:	0201, 0402, 0603, 0805, 1206, 1210, 1812, 2220.				
Certifications:	ISO 9001: 2008; RoHS 2011/65/EU; Reach 155 SVHC				



CT81 High Voltage Ceramic Capacitor

Temperature:	-25°C~+85°C
Tolerance:	±5%; ±10%; ±20%; +80-20%
Capacitance:	1pF~0.1uF
Voltage Range:	500V, 1KV, 2KV, 3KV
Package Type:	Bulk, Ammo Taped, T&R.
Certifications:	ISO 9001: 2008; RoHS 2011/65/EU; Reach 155 SVHC

