

Conductive Polymer Solid Electrolytic Chip Capacitors





FEATURES

- Conductive polymer electrode
- Benign failure mode under recommended use conditions
- Lower ESR
- 3x reflow 260°C compatible
- CV range: 0.47-470µF / 2.5-125V
- 19 case sizes available

APPLICATIONS

• Smart phone, Tablets, Notebook, LCD TV, Power supplies



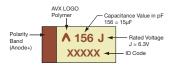




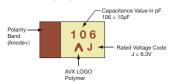
Elektra Award 2010

MARKING

A, B, C, D, E, G, H, K, S, T, U, V, W, X, Y, 5 CASE



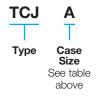
N, P, R CASE



CASE DIMENSIONS: millimeters (inches)

(Code	EIA Code	EIA Metric	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H+0.20 (0.008) -0.10 (0.004)	W₁±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
	Α	1206	3216-18	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
	В	1210	3528-21	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
	С	2312	6032-28	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	2917	7343-31	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	2917	7343-43	7.30 (0.287)	4.30 (0.169)	4.10 (0.162)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
	G	1206	3216-15	3.20 (0.126)	1.60 (0.063)	1.50 (0.059) max	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
	Н	1210	3528-15	3.50 (0.138)	2.80 (0.110)	1.50 (0.059) max	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
	K	1206	3216-10	3.20 (0.126)	1.60 (0.063)	1.00 (0.039) max	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
	N	0805	2012-10	2.05 (0.081)	1.30 (0.051)	1.00 (0.039) max	1.00 (0.039)	0.50 (0.020)	0.85 (0.033)
	Р	0805	2012-15	2.05 (0.081)	1.35 (0.050)	1.50 (0.059) max	1.00±0.10 (0.039±0.004)	0.50 (0.020)	0.85 (0.033)
	R	0805	2012-12	2.05 (0.081)	1.30 (0.051)	1.20 (0.047) max	1.00±0.10 (0.039±0.004)	0.50 (0.020)	0.85 (0.033)
	S	1206	3216-12	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)
	Т	1210	3528-12	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)
	U	2924	7361-43	7.30 (0.287)	6.10 (0.240)	4.10 (0.162)	3.10 (0.120)	1.30 (0.051)	4.40 (0.173)
	٧	2924	7361-38	7.30 (0.287)	6.10 (0.240)	3.55 (0.140)	3.10 (0.120)	1.30 (0.051)	4.40 (0.173)
	W	2312	6032-15	6.00 (0.236)	3.20 (0.126)	1.50 (0.059) max	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
	Х	2917	7343-15	7.30 (0.287)	4.30 (0.169)	1.50 (0.059) max	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
	Υ	2917	7343-20	7.30 (0.287)	4.30 (0.169)	2.00 (0.079) max	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
	5	2917	7343-40	7.30 (0.287)	4.30 (0.169)	3.80 (0.150)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
			\	N1 dimension a	applies to the termi	ination width for A d	limensional area d	only.	

HOW TO ORDER



226

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

M

Tolerance M = +20%

004

Rated

DC Voltage 035 = 35 Vdc002 = 2.5 Vdc004 = 4Vdc 006 = 6.3Vdc 050 = 50 Vdc063 = 63 Vdc010 = 10 Vdc075 = 75 Vdc016 = 16 Vdc100 = 100 Vdc

125 = 125 Vdc

R **Packaging** R = Pure Tin 7" Reel

S = Pure Tin 13" Reel

0300

ESR in mΩ

Ε

Additional Character E = Black resin

TECHNICAL SPECIFICATIONS (Common for all TCJ series)

Technical Data:	All technical data relate to an ambient temperature of +25°C
Capacitance Tolerance:	±20%
Leakage Current DCL:	0.1CV
Reliability:	1% per 1000 hours at 85°C, V _R with 0.1Ω/V series impedance, 60% confidence level
Resistance to soldering heat:	3x260°C peak for max. 10s reflow

020 = 20 Vdc

025 = 25 Vdc

NOTE: Conductive Polymer Capacitors are designed to operate within the limits of the environmental conditions specified for each series. If operated continuously at their maximum temperature and / or humidity limit, or beyond these limits, capacitors may exhibit a parametric shift in capacitance and increases in ESR. These changes may occur earlier if the specified environmental conditions are exceeded. Similarly, their normal operational time period will be significantly extended if their general duty cycle includes operation below maximum temperature within humidity controlled environments. Careful attention should be paid to maximum temperature with associated high humidity environments as well as voltage derating, ripple current and current surges. Please reference the AVX Conductive Polymer Capacitor Guidelines for more information or contact factory for application assistance.



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CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

С	ар														
μF	Code	2.5V (e)	4V (G)	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)	63V (J)	75V (<u>P</u>)	100V (A)	125V (B)	
0.47	474	.,	, ,	.,	. ,	. ,	, ,		. ,	. ,	B(400)				
0.68	684									B(400)	B(300)				
1.0	105							P(500)		B(300)	B(300) C(300)				
1.5	155								B(200)	B(300) C(300)	C(300)				
2.2	225								B(200)	C(300)	C(200)				
3.3	335								B(200)	C(200)	C(200)			D(250)	
4.7	475				K(300,500) R(500)			B(100,150)	B(200) C(200)	C(200) X(250) Y(250)	C(200) D(120)	D(150)	D(250)		
6.8	685					A(200)		A(150), B(90,150) T(100,150)	C(200)	C(200) D(120)	D(120) E(100,150)	D(120)			
10	106			A(300) N(200,250,500) R(500)	A(200,300)	A(200) B(100,200) T(100,150,200)	A(150)	A(150) B(90,100,150)	B(200) C(200) Y(70)	D(90,120) E(70,100)	E(100,150)				
15	156		A(300)	A(300)	A(200)	B(150)		B(100,150) Y(90)	B(200), C(200) D(70,100) Y(70,100)	E(70,100)					
22	226		A(300)	A(300), K(400) N(500), R(500) S(400), T(150)	B(300) T(70,150)	B(150)	B(90,150) Y(70)	B(100,150), C(100) D(60,100) Y(70)	D(70,100) Y(150)						
33	336		A(300)	A(200) B(70,200) T(150)	B(70,200) C(100) T(70,150)	A(200) Y(45,60,70)	Y(70)	D(60,100) X(70,100) Y(60,70,100)	D(70,100) E(55,70) U(70), Y(100)						
47	476		A(200) T(80)	A(70,100,200), B(70) K(150,200,400) P(500), R(500) T(55,69,70,80,120)	B(70) C(100)	X(45,70) Y(45,70)	D(55) X(55,70) Y(70)	D(60,100) E(50) Y(100)	E(55), U(70) Y(100)						
68	686	A(250)	A(250) B(70) T(80)	B(55,70) C(100) T(200), W(70)	D(45,55) Y(45,55)	D(50) Y(50)	D(55) E(45)	D(70) E(50) Y(100)							
100	107	A(200), B(70)	A(200) B(40,70) G(300) T(70,150)	A(100,150) B(40,45,55,70) T(70,200)	D(18,25,45,55,80) Y(18,25,45,55)	D(50), E(40) Y(50)	D(55) E(45) Y(55)	D(55,70) E(80) U(70)							
150	157	B(70)	B(70), D(15) Y(15,25,45)	B(25,35,45,55,70) D(12,15,25,40) H(200), W(40,70) Y(15,25,40)	D(25,40,45,55) Y(25,40,45,55)	D(40,50,70) E(40) Y(40,50,70)		U(70)							
220	227	B(35,45,70)	B(35,45,55,60,70) D(12,15,25,40) Y(15,25,40)	B(70,200) D(12,15,25,35,40,50) H(170) Y(15,25,35,40,50)	D(12,15,25,40,50) Y(15,25,40,50)	D(50	U(70)								
330	337	B(35,45,70) Y(25,40)	D(15,25,40,50) Y(15,25,40,50)	D(12,15,25,40,50) Y(15,25,40,50)	D(25) 5(35,100)	E(50,70) 5(100)									
470	477	D(12,15,25,40,50) Y(15,25,40,50)	D(10,12,15,25,40,50) Y(15,25,40,50)	X(50,55,100)		5(100)									

Released ratings, (ESR ratings in mOhms in parentheses) Engineering samples - please contact AVX Note: Voltage ratings are minimum values. AVX reserves the right to supply higher voltage ratings in the same case size, to the same reliability standards.



Conductive Polymer Solid Electrolytic Chip Capacitors

Max.	AVX	Case	Capacitance	Rated	Maximum Operating	DCL	DF	ESR Max.	10	0kHz RMS	Current (m	nA)	Product	
TUMBER TOTAL TOT	Part No.			Voltage (V)	Temperature		Max. (%)	@ 100kHz	45°C	85°C	105°C	125°C		MSL
Tight														
TCLBIST/MODE/ROTO B 100 2.5 125 25 6 70 1800 900 800 300 1 3 TCLBIST/MODE/ROTO B 100 2.5 156 97 5 6 70 1800 900 800 300 1 3 TCLBIST/MODE/ROTO B 2.5 165 97 5 6 70 1800 900 800 300 1 3 TCLBIST/MODE/ROTO B 2.5 165 97 5 6 70 1800 900 800 300 30 30 TCLBIST/MODE/ROTO B 2.5 165 97 5 6 8 70 1800 900 800 30 3 3 TCLBIST/MODE/ROTO B 2.5 165 98 8 9 46 1770 120 800 30 3 3 TCLBIST/MODE/ROTO B 2.5 165 98 8 9 1 105 900 800 3 3 TCLBIST/MODE/ROTO B 2.5 165 98 8 9 1 105 900 800 3 3 TCLBIST/MODE/ROTO B 2.5 165 98 8 9 1 105 900 800 3 3 TCLBIST/MODE/ROTO B 2.5 165 98 9 1 105 900 800 3 3 TCLBIST/MODE/ROTO B 2.5 165 98 9 1 105 900 800 3 3 TCLBIST/MODE/ROTO B 2.5 165 900 800 80 2 TCLBIST/MODE/ROTO B 2.5 165 900 800 80 2 TCLBIST/MODE/ROTO B 2.5 165 900 800 800 800 3 TCLBIST/MODE/ROTO B 2.5 165 900 800 800 800 800 800 800 800 800 800														
TC_015PMO02MOVTO B B 150													1	
TCLPSYMODEROVO B 220 2.5 105 55 8 45 1770 1200 800 - 3 3 1													3	3
TCLBS27W00296070 B 220 2 5 105 55 8 70 1300 900 800 - 3 3 TCLBS37W00296070 B 330 2 5 1105 925 8 8 5 1900 900 900 - 3 3 3 TCLBS37W00296070 B 330 2 5 1105 925 8 8 97 9 1300 900 900 - 3 3 3 TCLBS37W00296070 B 330 2 5 1105 925 8 8 97 9 1300 900 900 - 3 3 3 TCLBS37W00296070 F 4 300 900 900 - 3 3 3 TCLBS37W00296070 F 4 300 900 900 900 - 3 3 3 TCLBS37W00296070 F 4 300 900 900 900 - 3 3 3 TCLBS37W0029600 F 4 300 900 900 900 - 3 3 3 TCLBS37W0029600 F 4 300 900 900 900 - 3 3 3 TCLBS37W0029600 F 4 4 9 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9				2.5								-		3
TC_BSSTMO026005 B 330 2.5 105 82.5 8 55 1900 1300 900 - 3 3 3 (1) 103 103 103 103 103 103 103 103 103 103														
TC_RESPYNOCOPHONO B 330														
T.G. 1.00														
TC_DH77M0029012 D 470 2.5 105 117.5 6 12 450 3000 1900 - 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			330		105				1300		600	-	3	3
TQUAT/MOQ20015 D 470 2.5 105 117.5 6 12 4300 300 1900 - 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												_		
TCJAPT/MOGROCIS D D 470 2.5 105 117.5 6 15 3900 2700 1800 - 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												_		
TCJN477M00240046														
ICJUAT/MO029005														
TG/HAT/MOG2005 Y 470 2.5 85 117.5 6 15 3500 2500 5 3 3 1 1 1 1 1 1 1 1	TCJD477M002#0040			2.5	105	117.5		40	2400	1700		-		3
TG/H47M0020006														
TG/H77M00240060 Y 470 2.5 105 117.5 6 40 2200 1500 1000 - 3 3 3 TG/H77M00240060 Y 470 2.5 105 117.5 6 50 1000 1300 000 - 3 3 3 TG/H77M00240060 A 15 4 125 6 6 6 3 300 600 400 300 200 1 3 TG/H77M00440060 A 15 4 125 8.8 6 8 300 600 400 300 200 1 3 TG/H77M00440060 A 15 4 125 8.8 6 8 300 600 400 300 200 1 3 TG/H77M00440060 A 17 4 105 8.8 6 200 700 500 300 200 1 3 TG/H77M00440060 A 17 4 105 8.8 8 8 80 100 800 500 200 1 3 TG/H77M00440060 A 17 4 105 8.8 8 8 80 1100 800 500 - 3 3 3 TG/H77M00440060 A 17 4 105 8.8 8 8 80 1100 800 500 - 3 3 3 TG/H77M00440060 A 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1														
TCJA15RMOMH040000 A 15 4 125 6 6 6 300 600 1300 900 - 3 3 3 TCJA15RMOMH040000 A 28 4 125 6 6 6 300 600 400 300 200 1 3 3 TCJA15RMOMH040000 A 28 4 125 6 6 6 300 600 400 300 200 1 3 3 TCJA15RMOMH040000 A 28 4 125 6 6 300 600 400 300 200 1 3 3 TCJA15RMOMH040000 A 28 4 125 6 6 300 600 400 300 200 1 3 3 TCJA15RMOMH040000 A 28 4 125 6 12 6 300 600 400 300 200 1 3 3 TCJA15RMOMH040000 A 27 4 1 105 18.8 6 200 700 500 500 - 3 3 3 TCJA15RMOMH040000 A 47 4 1 105 18.8 6 200 700 500 500 - 3 3 3 TCJA15RMOMH040000 B 1 6 8 4 105 27.2 6 250 600 400 500 - 3 3 3 TCJA15RMOMH004000 B 1 6 8 4 125 27.2 6 250 600 400 500 - 3 3 3 TCJA15RMOMH004000 B 1 6 8 4 125 27.2 6 7 100 500 500 500 - 3 3 3 TCJA15RMOMH004000 B 1 6 8 4 125 27.2 8 8 80 1100 800 500 - 3 3 3 TCJA15RMOMH004000 B 1 6 8 4 125 27.2 8 8 80 1100 800 500 - 3 3 3 TCJA15RMOMH004000 B 1 6 8 4 105 27.2 8 8 80 1100 800 500 - 3 3 3 TCJA15RMOMH004000 B 1 6 8 4 105 27.2 8 8 80 1100 800 500 - 3 3 3 TCJA15RMOMH004000 B 1 6 8 4 105 27.2 8 8 80 1100 800 500 - 3 3 3 TCJA15RMOMH004000 B 1 6 8 4 105 27.2 8 8 80 1100 800 500 - 3 3 3 TCJA15RMOMH004000 B 1 6 8 4 105 27.2 8 8 80 1100 800 500 - 3 3 3 TCJA15RMOMH004000 B 1 6 8 100 4 105 40 8 70 1300 900 600 300 1 3 TCJA15RMOMH004000 B 1 6 8 100 4 105 40 8 70 1300 900 600 300 1 3 TCJA15RMOMH004000 B 1 100 4 105 40 8 70 1300 900 600 300 1 3 TCJA15RMOMH004000 B 1 500 4 105 40 8 70 1200 800 500 - 3 3 3 TCJA15RMOMH004000 B 150 4 105 40 8 70 1200 800 500 - 3 3 3 TCJA15RMOMH004000 B 150 4 105 40 8 150 800 600 400 - 3 3 3 TCJA15RMOMH004000 B 150 4 105 40 8 150 800 600 400 - 3 3 3 TCJA15RMOMH004000 B 150 4 105 8 40 8 150 800 600 400 - 3 3 3 TCJA15RMOMH004000 B 1 500 4 105 8 40 8 150 800 600 400 - 3 3 3 TCJA15RMOMH004000 B 1 100 4 105 8 8 100 8 100 1300 900 - 3 3 3 TCJA15RMOMH004000 B 1 100 4 105 8 8 100 8 100 1300 900 - 3 3 3 TCJA15RMOMH004000 B 1 100 4 105 8 8 100 8 100 1300 900 - 3 3 3 TCJA15RMOMH004000 B 1 100 4 105 8 8 6 100 8 100 1300 900 - 3 3 3 TCJA15RMOMH004000 B 1 100 4 105 8 8 100 8 100 1300 900 - 3 3 3 TCJA15RMOMH004000 B 1 100 8 100 8 100 8 100														
CARSEMO04#0300 A 15 4 125 6 6 6 300 600 400 300 200 1 3 CARSEMO04#0300 A 22 4 125 8.8 6 300 600 400 300 200 1 3 CARSEMO04#0300 A 22 4 125 8.8 6 300 600 400 300 200 1 3 CARSEMO04#0300 A 33 4 126 13.2 6 300 600 400 300 200 1 3 CARSEMO04#0300 A 33 4 126 13.2 6 300 600 400 300 200 1 3 CARSEMO04#0300 A 33 4 126 13.2 6 300 600 400 300 200 1 3 CARSEMO04#0300 A 30 200 1 3 CARSEMO04#0300 A 30 200 1 3 CARSEMO04#0300 A 40 300 200 1 3 CARSEMO04#0300 A 40 300 200 1 3 CARSEMO04#0300 A 40 300 200 1 3 CARSEMO04#0300 A 40 4 105 48 8 8 8 8 8 9 1 1100 80 800 - 3 3 3 CARSEMO04#0300 B 868 4 106 27.2 6 26 25 0 600 400 300 - 3 3 3 CARSEMO04#0300 A 100 4 105 40 6 27.2 6 8 70 1300 900 600 300 1 3 CARSEMO04#0300 B 100 4 105 40 6 27.2 8 80 1300 900 600 300 - 3 3 3 CARSEMO04#0300 B 100 4 105 40 6 200 700 500 300 - 3 3 3 CARSEMO04#0300 B 100 4 105 40 8 40 1800 1300 800 - 3 3 3 CARSEMO04#0300 B 100 4 105 40 8 40 1800 1300 800 - 3 3 3 CARSEMO04#0300 B 100 4 125 40 8 40 1800 1300 800 - 3 3 3 CARSEMO04#0300 B 100 4 125 40 8 70 1300 900 600 300 1 3 3 CARSEMO04#0300 B 100 4 125 40 8 70 1300 900 600 300 1 3 3 CARSEMO04#0300 B 100 4 125 40 8 70 1300 900 600 300 1 3 3 CARSEMO04#0300 B 100 4 125 40 8 70 1300 900 600 300 1 3 3 CARSEMO04#0300 B 100 4 105 40 8 150 40 8 70 1300 900 600 300 1 3 3 CARSEMO04#0300 B 150 4 105 40 8 150 40 8														
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TCJR106M006#0500 R 10 6.3 105 6 6 500 400 300 200 - 3 3	TCJN106M006#0500	N	10	6.3	105	6	6	500	400	300	200		3	3
	TCJR106M006#0500	R	10	6.3	105	6	6	500	400	300	200	_	3	3



Conductive Polymer Solid Electrolytic Chip Capacitors

AVX	Case	Capacitance	Rated	Maximum Operating	DCL	DF	ESR Max.	10	00kHz RMS	Current (m	nA)	Product	
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Max. (μΑ)	Max. (%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	MS
CJA156M006#0300	Α	15	6.3	125	9	6	300	600	400	300	200	1	3
CJA226M006#0300	Α	22	6.3	125	13.2	6	300	600	400	300	200	1	3
CJK226M006#0400	K	22	6.3	105	13.2	8	400	500	400	200	_	3	3
CJN226M006#0500 CJR226M006#0500	N R	22 22	6.3 6.3	105 105	13.2 13.2	10	500 500	400 400	300 300	200	_	3	3
CJS226M006#0400	S	22	6.3	105	13.2	8	400	500	400	200	_	3	3
CJT226M006#0150	Ť	22	6.3	105	13.2	6	150	800	600	400	_	3	3
CJA336M006#0200	Ä	33	6.3	105	19.8	6	200	700	500	300	_	3	3
CJB336M006#0070	В	33	6.3	125	19.8	6	70	1300	900	600	300	1	3
CJB336M006#0200	В	33	6.3	125	19.8	6	200	800	600	400	200	1	3
CJT336M006#0150	T	33	6.3	105	19.8	8	150	800	600	400	_	3	3
CJA476M006#0070	A	47	6.3	105	28.2	6	70	1200	800	500	_	3	3
CJA476M006#0100 CJA476M006#0200	A	47 47	6.3 6.3	105 105	28.2 28.2	6	100 200	1000 700	700 500	500 300	_	3	3
CJB476M006#0200	В	47	6.3	125	28.2	6	70	1300	900	600	300	1	3
CJK476M006#0150	K	47	6.3	105	28.2	6	150	800	600	400	-	3	3
CJK476M006#0200	K	47	6.3	105	28.2	6	200	700	500	300	-	3	3
CJK476M006#0400	K	47	6.3	105	28.2	6	400	500	400	200	-	3	3
CJP476M006#0500	Р	47	6.3	105	28.2	10	500	400	300	200	-	3	3
CJR476M006#0500	R	47	6.3	105	28.2	10	500	400	300	200	-	3	3
CJT476M006#0055	Ţ	47	6.3	105	28.2	8	55	1300	900	600	_	3	3
CJT476M006#0069	T	47	6.3	105	20	8	69	1200	800	500	_	3	3
CJT476M006#0070 CJT476M006#0080	T	47 47	6.3 6.3	105 105	28.2 28.2	8	70 80	1200 1100	800 800	500 500	_	3	3
CJT476M006#0080	T	47	6.3	105	28.2	8	120	900	600	400	_	3	3
CJB686M006#0055	В	68	6.3	125	40.8	8	55	1500	1100	700	400	1	3
CJB686M006#0070	В	68	6.3	125	40.8	8	70	1300	900	600	300	1	3
CJC686M006#0100	C	68	6.3	125	40.8	6	100	1300	900	600	300	1	- (
CJT686M006#0200	Т	68	6.3	105	40.8	8	200	700	500	300	-	3	3
CJW686M006#0070	W	68	6.3	125	40.8	8	70	1400	1000	600	400	1	(
CJA107M006#0100	Α	100	6.3	105	60	10	100	1000	700	500	_	3	3
CJA107M006#0150	A	100	6.3	105	60	10	150	800	600	400	_	3	0
CJB107M006#0040	В	100	6.3	105	60	10	40	1800	1300	800	_	3	9
CJB107M006#0045 CJB107M006#0055	B B	100	6.3 6.3	105 105	60 60	10	45 55	1700 1500	1200 1100	800 700	_	3	3
CJB107M006#0070	В	100	6.3	105	60	10	70	1300	900	600	_	3	- (
CJT107M006#0070	T	100	6.3	105	60	10	70	1200	800	500	_	3	3
CJT107M006#0200	Ť	100	6.3	105	60	10	200	700	500	300	-	3	3
CJB157M006#0025	В	150	6.3	105	90	10	25	2200	1500	1000	-	3	3
CJB157M006#0035	В	150	6.3	105	90	10	35	1900	1300	900	-	3	3
CJB157M006#0045	В	150	6.3	105	90	10	45	1700	1200	800	_	3	3
CJB157M006#0055	В	150	6.3	105	90	10	55	1500	1100	700	-	3	(
CJB157M006#0070 CJD157M006#0012	B D	150 150	6.3 6.3	105 105	90 90	10 6	70 12	1300 4300	900 3000	600 1900	_	3 2	(
CJD157M006#0015	D	150	6.3	105	90	6	15	3900	2700	1800	_	2	3
CJD157M006#0015	D	150	6.3	105	90	6	25	3000	2100	1400	_	2	(
CJD157M006#0040	D	150	6.3	105	90	6	40	2400	1700	1100	_	2	- 0
CJH157M006#0200	Н	150	6.3	105	90	6	200	700	500	300	-	3	3
CJW157M006#0040	W	150	6.3	105	90	6	40	1800	1300	800	-	3	(
CJW157M006#0070	W	150	6.3	105	90	6	70	1400	1000	600	_	3	(
CJY157M006#0015	Y	150	6.3	105	90	6	15	3500	2500	1600	-	2	(
CJY157M006#0025	Y	150	6.3	105	90	6	25	2700	1900	1200	_	2	(
CJY157M006#0040 CJB227M006#0070	B	150 220	6.3 6.3	105 105	90 132	6 10	70	2200 1300	1500 900	1000 600	_	3	(
JB227M006#0070	В	220	6.3	105	132	10	200	800	600	400	_	3	
CJD227M006#0200	D	220	6.3	105	132	6	12	4300	3000	1900		2	-
CJD227M006#0015	D	220	6.3	105	132	6	15	3900	2700	1800	-	2	
CJD227M006#0025	D	220	6.3	105	132	6	25	3000	2100	1400	-	2	
CJD227M006#0035	D	220	6.3	105	132	6	35	2500	1800	1100	_	3	- ;
CJD227M006#0040	D	220	6.3	105	132	6	40	2400	1700	1100	_	3	
CJD227M006#0050	D	220	6.3	105	132	6	50	2100	1500	900	_	3	
CJH227M006#0170 CJY227M006#0015	H	220 220	6.3 6.3	105 85	132 132	10	170 15	800 3500	600 2500	400	_	3 5	
CJY227M006#0015	Y	220	6.3	105	132	6	25	2700	1900	1200	_	2	
CJY227M006#0025	Y	220	6.3	105	132	6	35	2300	1600	1000	_	2	
CJY227M006#0040	Y	220	6.3	105	132	6	40	2200	1500	1000	-	2	
CJY227M006#0050	Υ	220	6.3	105	132	6	50	1900	1300	900	-	2	,
CJD337M006#0012	D	330	6.3	105	198	6	12	4300	3000	1900	_	3	(
CJD337M006#0015	D	330	6.3	105	198	6	15	3900	2700	1800	-	3	,
CJD337M006#0025	D	330	6.3	105	198	6	25	3000	2100	1400	_	3	
CJD337M006#0040	D	330	6.3	105	198	6	40	2400	1700	1100	_	2	- (
CJD337M006#0050	D Y	330	6.3	105 85	198	6 12	50	2100	1500	900	_	2	3
CJY337M006#0015 CJY337M006#0025	Y	330 330	6.3 6.3	105	198 198	12	15 25	3500 2700	2500 1900	1200	_	5 3	3
CJY337M006#0025	Y	330	6.3	105	198	12	40	2200	1500	1000	_	3	- (
CJY337M006#0050	Y	330	6.3	105	198	12	50	1900	1300	900	_	3	(
		, , , , ,	0.0	1 100	100	1 - 1 -	. 50	1000					



Conductive Polymer Solid Electrolytic Chip Capacitors

Charles	AVX	Case	Capacitance	Rated Voltage	Maximum Operating	DCL Max.	DF Max.	ESR Max.	10	00kHz RMS	Current (m	nA)	Product	MSL
CRAFFAMORESHIP CRAF		Size	(μF)			(μΑ)			45°C	85°C	105°C	125°C	Category	IVISL
10 Value 25 C C C C C C C C C	TCJX477M006#0055													
Chicagnomic	1CJX4771VIUU06#U1UU		470	0.3	105			100	1300	900	600	_	3	3
GERBATEMOTORISCOP R	TCJK475M010#0300											-		
CHAIDMINISTER CHAIDMINISTE												-		
CGA19MOR109000												200		3
GGB298M0109000 B 22 110 125 22 6 300 600 400 300 200 1 3 GG728M01090070 T 122 10 105 22 6 70 1200 800 500 500 1 3 GG728M01090070 B 33 10 125 33 6 70 1300 600 600 600 300 1 3 GG728M01090070 B 33 10 125 33 6 70 1300 600 600 600 300 1 3 GG728M01090070 B 33 10 125 33 6 70 1300 600 600 600 300 1 3 GG728M01090070 B 33 10 125 33 6 70 1300 600 600 600 300 1 3 GG728M01090070 B 33 10 125 33 6 70 1300 600 600 600 300 1 3 GG728M01090070 B 33 10 125 33 6 70 1300 600 600 600 300 1 3 GG728M01090070 B 34 10 125 33 6 70 1300 600 600 600 300 1 3 GG728M01090070 B 47 10 105 47 6 70 1300 600 600 300 1 3 GG728M01090070 B 47 10 105 47 6 70 1300 600 600 300 1 3 GG728M01090070 B 47 10 105 47 6 70 1300 900 600 600 - 3 3 GG728M01090070 B 47 10 105 47 6 70 1300 900 600 600 - 3 3 GG728M01090070 B 47 10 105 6 8 6 5 5 600 1300 900 600 - 3 3 GG728M01090055 D 60 8 6 10 105 6 8 6 5 5 600 1400 900 - 3 3 GG728M01090055 D 60 8 10 105 6 8 6 5 5 600 1400 900 - 3 3 GG728M01090055 D 60 8 10 105 6 8 6 5 5 600 1400 900 - 3 3 GG728M01090055 D 60 8 10 105 6 8 6 5 5 600 1400 900 - 3 3 GG728M01090055 D 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	TCJA106M010#0300							300		400			1	3
Colf	TCJA156M010#0200													
GUITZEMONIDED 1 22		T	22											3
CLR389M0109000 B	TCJT226M010#0150	Ť	22	10	105	22	6	150	800	600	400	_		3
GLCSSEMMOLDHOUD C	TCJB336M010#0070													3
CLT/158/6M1016/150 T 33														
CLBHZTMOTOROVO B	TCJT336M010#0070	T											3	3
CLCH2FMOTORITOD C	TCJT336M010#0150	T												
CLDB8RM010F00055 D														
CLDB86M010E006b V	TCJD686M010#0045													3
CLYPGREMOTOPRODES Y 68	TCJD686M010#0055		68		105	68		55		1400			3	3
CLIDITANO 1040018 D	TCJY686M010#0045													
CLIDIO/MO1040025 D 100 100 105 100 6 25 3000 2100 1400 - 2 3 3 3 3 3 3 3 3 3	TCJV686M010#0055													3
CLIDITOMO1040086 D	TCJD107M010#0025	D	100	10	105	100	6	25	3000	2100	1400		2	3
CLY10TM01040018 V 100	TCJD107M010#0045													
CLYPTOMO10H002B														
CLYHOMO16H0045	TCJY107M010#0018	Υ	100	10	105	100	6	18	3200	2200	1400		2	3
CLYMOTOMO190055	TCJY107M010#0025													
CLIDIST/MOIDMO040														3
CLDISTMOIDMO045 D 150 10 105 150 6 40 2400 1700 1100 - 3 3 3 3 3 3 3 3 3														
CLD157M010#0055	TCJD157M010#0040		150			150		40				-	3	3
CLYP157M010#0026														3
CLYIFSTM010H0040														
CLYP157M010H0056	TCJY157M010#0040	Y												3
CLJD227M010W0015 D 220	TCJY157M010#0045													
CLDB227M010#0015 D 220														
CLJD227M010H00Q40	TCJD227M010#0015													
CLJD227M010#00050 D 220 10 105 220 6 50 2100 1500 900 - 3 3 3 3 3 3 3 3 3	TCJD227M010#0025													3
TCJY227M010#0015														
CLYV22TM010H00Q65														
TCJV227M010#0050	TCJY227M010#0025	Υ	220	10	105	220	6	25	2700	1900		-	3	3
C.JD337M010#0025 D 330 10 105 330 6 25 3000 2100 1400 - 2 3 17 105 330 10 105 330 10 35 2600 1800 1200 - 2 3 3 3 3 3 3 3 3 3	TCJY227M010#0040													
TGJ5337M010#0035														
TicJA1685M016#0200	TCJ5337M010#0035													
ICJAB65M016#0200	TCJ5337M010#0100	5	330	10	105			100	1500	1100	700	_	2	3
ICJA106M016#0200	TC IA685M016#0200	ΙΔ	6.8	16	125			200	700	500	300	200	1 1	3
CJB106M016#0200 B 10 16 125 16 6 200 800 600 400 200 1 3 3 3 3 3 3 3 3 3	TCJA106M016#0200												1	
TCJT106M016#0100	TCJB106M016#0100				125	16		100			500	300		3
TCJT106M016#0150														
TCJT106M016#0200	TCJT106M016#0150													
CJB26M016#0150 B 22 16 125 35.2 6 150 900 600 400 200 1 3 CJA336M016#0200E A 33 16 105 52.8 10 200 700 500 300 - 3 3 3 3 3 16 105 52.8 6 45 2000 1400 900 - 2 3 3 3 3 3 16 105 52.8 6 45 2000 1400 900 - 2 3 3 3 3 3 3 3 3 3	TCJT106M016#0200				125									3
CJA336M016#0200E A 33 16 105 52.8 10 200 700 500 300 - 3 3 3														
TCJY336M016#0045	TCJB226W016#0150 TCJA336M016#0200E													
TC_JY336M016#0070	TCJY336M016#0045	Υ	33	16	105	52.8	6	45	2000	1400	900	-	2	3
TCJX476M016#0045 X 47 16 105 75.2 6 45 2000 1400 900 - 2 3 TCJX476M016#0070 X 47 16 105 75.2 6 70 1600 1100 700 - 2 3 TCJX476M016#0045 Y 47 16 105 75.2 6 45 2000 1400 900 - 2 3 TCJY476M016#0070 Y 47 16 105 75.2 6 45 2000 1400 900 - 2 3 TCJY476M016#0070 Y 47 16 105 75.2 6 70 1600 1100 700 - 2 3 TCJY476M016#0050 D 68 16 105 108.8 6 50 2100 1500 900 - 2 3 TCJY686M016#0050 Y 68 16 105 108.8 6 50 1900 1300 900 - 2 3 TCJY107M016#0050 D 100 16 105 160 6 50 2100 1500 900 - 2 3 TCJY107M016#0040 E 100 16 105 160 6 40 2500 1800 1100 - 2 3 TCJY107M016#0050 Y 100 16 105 160 6 50 1900 1300 900 - 2 3 TCJY107M016#0050 Y 100 16 105 160 6 50 1900 1300 900 - 2 3 TCJY107M016#0050 D 1500 16 85 240 6 40 2400 1700 - 5 3 TCJY157M016#0050 D 150 16 85 240 6 50 2100 1500 5 5 3 TCJY157M016#0040 E 150 16 85 240 6 40 2200 1500 5 3 TCJY157M016#0040 TCJY157M016#0040 T 150 16 85 240 6 40 2200 1500 5 5 3 TCJY157M016#0040 Y 150 16 85 240 6 40 2200 1500 5 5 3 TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 5 5 3 TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 5 5 3 TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 5 5 3 TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 5 5 3 TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 5 5 3 TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 5 5 3 TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 5 5 3 TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 5 5 3 TCJY	TCJY336M016#0060													
FCJX476M016#0070 X 47 16 105 75.2 6 70 1600 1100 700 - 2 3 FCJY476M016#0045 Y 47 16 105 75.2 6 45 2000 1400 900 - 2 3 FCJY476M016#0070 Y 47 16 105 75.2 6 70 1600 1100 700 - 2 3 FCJY686M016#0050 D 68 16 105 108.8 6 50 2100 1500 900 - 2 3 FCJY686M016#0050 D 100 16 105 108.8 6 50 1900 1300 900 - 2 3 FCJY686M016#0050 D 100 16 105 160 6 50 2100 1500 900 - 2 3 FCJD107M016#0050 D 100 16 105 160														
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FC_JD686M016#0050 D 68 16 105 108.8 6 50 2100 1500 900 - 2 3 FC_JY686M016#0050 Y 68 16 105 108.8 6 50 1900 1300 900 - 2 3 FCJE107M016#0050 D 100 16 105 160 6 50 2100 1500 900 - 2 3 FCJE107M016#0040 E 100 16 105 160 6 40 2500 1800 1100 - 2 3 FCJD157M016#0050 Y 100 16 105 160 6 50 1900 1300 900 - 2 3 FCJD157M016#0050 D 150 16 85 240 6 40 2400 1700 - - 5 3 FCJD157M016#0070 D 150 16 85 240	TCJY476M016#0045											_		
TCJY686M016#0050 Y 68 16 105 108.8 6 50 1900 1300 900 - 2 3 TCJD107M016#0050 D 100 16 105 160 6 50 2100 1500 900 - 2 3 TCJE107M016#0050 Y 100 16 105 160 6 40 2500 1800 1100 - 2 3 TCJD157M016#0050 Y 100 16 85 240 6 40 2400 1700 - - 2 3 TCJD157M016#0040 D 150 16 85 240 6 40 2400 1700 - - 5 3 TCJD157M016#0050 D 150 16 85 240 6 50 2100 1500 - - 5 3 TCJE157M016#0070 D 150 16 105 240 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>														
ICJD107M016#0050 D 100 16 105 160 6 50 2100 1500 900 - 2 3 ICJS107M016#0040 E 100 16 105 160 6 40 2500 1800 1100 - 2 3 ICJD157M016#0050 Y 100 16 85 240 6 50 1900 1300 900 - 2 3 ICJD157M016#0040 D 150 16 85 240 6 40 2400 1700 - - 5 3 ICJD157M016#0050 D 150 16 85 240 6 50 2100 1500 - - 5 3 ICJD157M016#0070 D 150 16 105 240 6 70 1800 1300 800 - 3 3 ICJY157M016#0040 Y 150 16 85 240 <t< td=""><td>TCJY686M016#0050</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3</td></t<>	TCJY686M016#0050													3
FCJY107M016#0050 Y 100 16 105 160 6 50 1900 1300 900 - 2 3 FCJD157M016#0040 D 150 16 85 240 6 40 2400 1700 - - 5 3 FCJD157M016#0050 D 150 16 85 240 6 50 2100 1500 - - 5 3 FCJD157M016#0070 D 150 16 105 240 6 70 1800 1300 800 - 3 3 FCJY157M016#0040 E 150 16 105 240 6 40 2500 1800 1100 - 2 3 FCJY157M016#0040 Y 150 16 85 240 6 40 2200 1500 - - - 5 3 FCJY157M016#0050 Y 150 16 85 24	TCJD107M016#0050	D	100	16	105	160	6	50	2100	1500	900	-	2	3
FCJD157M016#0040 D 150 16 85 240 6 40 2400 1700 - - 5 3 FCJD157M016#0050 D 150 16 85 240 6 50 2100 1500 - - 5 3 FCJD157M016#0070 D 150 16 105 240 6 70 1800 1300 800 - 3 3 FCJY157M016#0040 E 150 16 85 240 6 40 2500 1800 1100 - 2 3 FCJY157M016#0040 Y 150 16 85 240 6 40 2200 1500 - - - 5 3 FCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 - - - 5 3	TCJE107M016#0040													
FCJD157M016#0050 D 150 16 85 240 6 50 2100 1500 - - 5 3 FCJD157M016#0070 D 150 16 105 240 6 70 1800 1300 800 - 3 3 FCJE157M016#0040 E 150 16 150 240 6 40 2500 1800 1100 - 2 3 FCJY157M016#0040 Y 150 16 85 240 6 40 2200 1500 - - - 5 3 FCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 - - - 5 3														
TCJE157M016#0040 E 150 16 105 240 6 40 2500 1800 1100 - 2 3 TCJY157M016#0040 Y 150 16 85 240 6 40 2200 1500 - - 5 3 TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 - - 5 3	TCJD157M016#0050	D	150	16	85	240	6	50	2100	1500	-		5	3
TCJY157M016#0040 Y 150 16 85 240 6 40 2200 1500 5 3 TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 5 3	TCJD157M016#0070													3
TCJY157M016#0050 Y 150 16 85 240 6 50 1900 1300 5 3														
	TCJY157M016#0040										_	_		
	TCJY157M016#0070										700	_		



Conductive Polymer Solid Electrolytic Chip Capacitors

AVX	Case	Capacitance	Rated	Maximum Operating	DCL	DF	ESR Max.	10	00kHz RMS	Current (m	nA)	Product	MSL
Part No.	Size	(μ F)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	MSL
TCJD227M016#0050	D	220	16	105	352	10	50	2100	1500	900	-	2	3
TCJE337M016#0050 TCJE337M016#0070	E	330 330	16 16	105 105	528 528	10	50 70	2200 1900	1500 1300	1000	_	2	3
TCJ5337M016#0100	5	330	16	105	528	10	100	1500	1100	700	_	2	3
TCJ5477M016#0100	5	470	16	105	752	10	100	1500	1100	700	_	3	3
						@ 85°C							
TCJA106M020#0150	A	10	20	105	20	6	150	800	600	400	-	3	3
TCJB226M020#0090 TCJB226M020#0150	B	22 22	20 20	105 105	44 44	6	90 150	1200 900	800 600	500 400	_	3	3
TCJY226M020#0130	Y	22	20	105	44	6	70	1600	1100	700	_	2	3
TCJY336M020#0070	Y	33	20	105	66	6	70	1600	1100	700	_	2	3
TCJD476M020#0055	D	47	20	105	94	6	55	2000	1400	900	-	2	3
TCJX476M020#0055	X	47	20	105	94	6	55	1800	1300	800	_	3	3
TCJX476M020#0070 TCJY476M020#0070	X	47 47	20 20	105 105	94 94	6	70 70	1600 1600	1100 1100	700 700	_	3 2	3
TCJD686M020#0055	Ď	68	20	105	136	6	55	2000	1400	900	_	3	3
TCJE686M020#0045	E	68	20	105	136	6	45	2400	1700	1100	_	2	3
TCJD107M020#0055	D	100	20	105	200	6	55	2000	1400	900	-	2	3
TCJE107M020#0045	E	100	20	105	200	6	45	2400	1700	1100	_	3	3
TCJY107M020#0055	Y	100	20	105	200	6 12	55	1800	1300	800	_	2	3
TCJU227M020#0070E	U	220	20	105	440 25 Vol t	@ 85°C	70	2300	1600	1000	_		3
TCJP105M025#0500	Р	1.0	25	105	2.5	6	500	400	300	200	_	2	3
TCJB475M025#0100	В	4.7	25	105	11.8	6	100	1100	800	500	-	3	3
TCJB475M025#0150	В	4.7	25	105	11.8	6	150	900	600	400	_	3	3
TCJA685M025#0150	A B	6.8 6.8	25 25	105 105	17 17	6	150 90	800 1200	600 800	400 500	_	3 2	3
TCJB685M025#0090 TCJB685M025#0150	В	6.8	<u>25</u> 25	105	17	6	150	900	600	400	_	3	3
TCJT685M025#0100	T	6.8	25	105	17	6	100	1000	700	500	_	3	3
TCJT685M025#0150	Т	6.8	25	105	17	6	150	800	600	400	_	3	3
TCJA106M025#0150	A	10	25	105	25	6	150	800	600	400	_	3	3
TCJB106M025#0090	B	10 10	25 25	105 105	25 25	6	90	1200 1100	800 800	500 500	_	2	3
TCJB106M025#0100 TCJB106M025#0150	В	10	25	105	25	6	150	900	600	400	_	2	3
TCJB156M025#0100	В	15	25	105	37.5	6	100	1100	800	500	_	2	3
TCJB156M025#0150	В	15	25	105	37.5	6	150	900	600	400	-	2	3
TCJY156M025#0090	Υ	15	25	105	37.5	6	90	1400	1000	600	_	2	3
TCJB226M025#0100	B	22 22	25 25	105 105	<u>55</u> 55	6	100 150	1100 900	800 600	500 400	_	3	3
TCJB226M025#0150 TCJC226M025#0100	C	22	25	105	55	6	100	1300	900	600	_	3	3
TCJD226M025#0060	D	22	25	105	55	6	60	1900	1300	900	_	2	3
TCJD226M025#0100	D	22	25	105	55	6	100	1500	1100	700	-	2	3
TCJY226M025#0070	Υ	22	25	105	55	6	70	1600	1100	700	_	3	3
TCJD336M025#0060 TCJD336M025#0100	D	33 33	25 25	105 105	82.5 82.5	6	60 100	1900 1500	1300 1100	900 700	_	2	3
TCJX336M025#0100	X	33	25	105	82.5	6	70	1600	1100	700	_	2	3
TCJX336M025#0100	X	33	25	105	82.5	6	100	1300	900	600	_	2	3
TCJY336M025#0060	Υ	33	25	105	82.5	6	60	1800	1300	800	_	2	3
TCJY336M025#0070	Y	33	25	105	82.5	6	70	1600	1100	700	-	2	3
TCJY336M025#0100 TCJD476M025#0060	Y D	33 47	25 25	105 105	82.5 117.5	6	100 60	1400	1000	600 900	_	3	3
TCJD476M025#0000	D	47	25	105	117.5	6	100	1500	1100	700	_	3	3
TCJE476M025#0050	E	47	25	105	117.5	6	50	2200	1500	1000	_	3	3
TCJY476M025#0100E	Υ	47	25	105	117.5	6	100	1400	1000	600	_	3	3
TCJD686M025#0070	D	68	25	105	170	6	70	1800	1300	800	_	2	3
TCJE686M025#0050 TCJY686M025#0100E	E	68 68	25 25	105 105	170 170	6	100	2200 1400	1500	1000	_	3	3
TCJD107M025#0055	D	100	25	105	250	6	55	2000	1400	900	_	2	3
TCJD107M025#0070	D	100	25	105	250	6	70	1800	1300	800	_	2	3
TCJE107M025#0080	E	100	25	105	250	6	80	1800	1300	800	_	2	3
TCJU107M025#0070E		100 150	25 25	125	250	12 12	70 70	2300	1600	1000	600	1	3
TCJU157M025#0070E	U	150	20	105	375 35 Vol t	@ 85°C	10	2300	1600	1000	_	2	3
TCJB155M035#0200	В	1.5	35	105	5.3	6	200	800	600	400	_	2	3
TCJB225M035#0200	В	2.2	35	105	7.7	6	200	800	600	400	-	3	3
TCJB335M035#0200	В	3.3	35	105	11.6	6	200	800	600	400	_	3	3
TCJB475M035#0200 TCJC475M035#0200	B	4.7 4.7	35 35	105 105	16.5 16.5	6	200	800 900	600 600	400 400	_	3	3
TCJC685M035#0200	C	6.8	35	105	23.8	6	200	900	600	400	_	3	3
TCJB106M035#0200	В	10	35	105	35	6	200	800	600	400	_	2	3
TCJC106M035#0200	С	10	35	105	35	6	200	900	600	400	-	3	3
TCJY106M035#0070	Y	10	35	105	35	6	70	1600	1100	700	_	2	3
TCJB156M035#0200	В	15	35	105	52.5	6	200	800 900	600	400	_	2	3
TCJC156M035#0200 TCJD156M035#0070	C D	15 15	35 35	105 105	52.5 52.5	6	200 70	1800	600 1300	800	_	3	3
TCJD156M035#0100	D	15	35	105	52.5	6	100	1500	1100	700	_	3	3
TCJY156M035#0070	Υ	15	35	105	52.5	6	70	1600	1100	700	_	3	3
TCJY156M035#0100	Y	15	35	105	52.5	6	100	1400	1000	600	_	3	3
TCJD226M035#0070	D	22	35	105	77	6	70	1800	1300	800	_	2	3



Conductive Polymer Solid Electrolytic Chip Capacitors

RATINGS & PART NUMBER REFERENCE

AVX	Case	Capacitance	Rated	Maximum Operating	DCL	DF	ESR Max.	10	00kHz RMS	Current (m	ıA)	Product	MSL
Part No.	Size	΄ (μ F)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	
TCJD226M035#0100	D	22	35	105	77	6	100	1500	1100	700	-	2	3
TCJY226M035#0150	Υ	22	35	105	77	6	150	1100	800	500	-	3	3
TCJD336M035#0070	D	33	35	105	115.5	6	70	1800	1300	800	-	2	3
TCJD336M035#0100	D	33	35	105	115.5	6	100	1500	1100	700	_	2	3
TCJE336M035#0055	Е	33	35	105	115.5	6	55	2100	1500	900	-	3	3
TCJE336M035#0070	Е	33	35	105	115.5	6	70	1900	1300	900	_	3	3
TCJU336M035#0070E	U	33	35	125	115.5	12	70	2300	1600	1000	600	1	3
TCJY336M035#0100E	Υ	33	35	105	115.5	6	100	1400	1000	600	_	3	3
TCJE476M035#0055	Е	47	35	105	164.5	6	55	2100	1500	900	-	2	3
TCJU476M035#0070E	U	47	35	125	164.5	12	70	2300	1600	1000	600	1	3
TCJY476M035#0100E	Υ	47	35	105	164.5	6	100	1400	1000	600	_	3	3
						@ 85°C							
TCJB684M050#0400	В	0.68	50	105	3.4	6	400	600	400	300	-	3	3
TCJB105M050#0300	В	1.0	50	105	5	6	300	600	400	300	_	3	3
TCJB155M050#0300	В	1.5	50	105	7.5	6	300	600	400	300	-	3	3
TCJC155M050#0300	С	1.5	50	105	7.5	6	300	800	600	400	-	3	3
TCJC225M050#0300	С	2.2	50	105	11	6	300	800	600	400	_	3	3
TCJC335M050#0200	С	3.3	50	105	16.5	8	200	900	600	400	_	3	3
TCJC475M050#0200	С	4.7	50	105	23.5	8	200	900	600	400	_	3	3
TCJX475M050#0250	Χ	4.7	50	105	23.5	6	250	800	600	400	_	2	5
TCJY475M050#0250	Υ	4.7	50	105	23.5	6	250	900	600	400	_	2	5
TCJC685M050#0200	С	6.8	50	105	34	8	200	900	600	400	-	3	3
TCJD685M050#0120	D	6.8	50	105	34	10	120	1400	1000	600	-	3	3
TCJD106M050#0090	D	10	50	105	50	10	90	1600	1100	700	_	3	3
TCJD106M050#0120	D	10	50	105	50	10	120	1400	1000	600	_	3	3
TCJE106M050#0070	Е	10	50	105	50	6	70	1900	1300	900	_	3	3
TCJE106M050#0100	Е	10	50	105	50	6	100	1600	1100	700	_	3	3
TCJE156M050#0070	Е	15	50	105	75	6	70	1900	1300	900	_	3	3
TCJE156M050#0100	Е	15	50	105	75	6	100	1600	1100	700	-	3	3
					63 Volt	@ 85°C							
TCJB474M063#0400	В	0.47	63	105	3	8	400	600	400	300	_	3	3
TCJB684M063#0300	В	0.68	63	105	4.3	8	300	600	400	300	_	3	3
TCJB105M063#0300	В	1.0	63	105	6.3	8	300	600	400	300	_	3	3
TCJC105M063#0300	С	1.0	63	105	6.3	6	300	800	600	400	_	3	3
TCJC155M063#0300	С	1.5	63	105	9.5	6	300	800	600	400	_	3	3
TCJC225M063#0200	С	2.2	63	105	13.9	6	200	900	600	400	-	3	3
TCJC335M063#0200	С	3.3	63	105	20.8	6	200	900	600	400	-	3	3
TCJC475M063#0200	С	4.7	63	105	29.6	6	200	900	600	400	-	3	3
TCJD475M063#0120	D	4.7	63	105	29.6	6	120	1400	1000	600	-	3	3
TCJD685M063#0120	D	6.8	63	105	42.8	6	120	1400	1000	600	-	3	3
TCJE685M063#0100	Ē	6.8	63	105	42.8	6	100	1600	1100	700	-	3	3
TCJE685M063#0150	E	6.8	63	105	42.8	6	150	1300	900	600	-	3	3
TCJE106M063#0100	Ē	10	63	105	63	6	100	1600	1100	700	-	3	3
TCJE106M063#0150	Ē	10	63	105	63	6	150	1300	900	600	-	3	3
						@ 85°C							-
TCJD475M075#0150	D	4.7	75	105	35.3	6	150	1200	800	500	_	3	3
TCJD685M075#0120	D	6.8	75	105	51	6	120	1400	1000	600	_	3	3
						t @ 85°C							-
TCJD475M100#0250	D	4.7	100	105	47	8	250	900	600	400	_	4	3
					125 Vol	t @ 85°C							
TCJD335M125#0250	D	3.3	125	105	41.2	8	250	900	600	400	_	4	3

Moisture Sensitivity Level (MSL) is defined according to J-STD-020.

All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5RMS

with DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

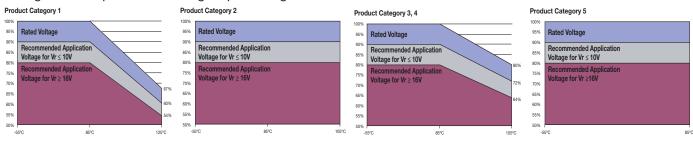
ESR allowed to move up to 1.25 times catalog limit post mounting.

For typical weight and composition see page 274.

NOTE: AVX reserves the right to supply higher voltage ratings or tighter tolerance part in the same case size, to the same reliability standards.

RECOMMENDED DERATING FACTOR

Voltage and temperature derating as percentage of Vr





Conductive Polymer Solid Electrolytic Chip Capacitors

PRODUCT CATEGORY 1 (TEMPERATURE RANGE -55°C TO +125°C)

TEST		Condition		Characteristics					
				Characteristics Visual examination no visible damage					
	Apply rate	ed voltage (Ur) at 85°C an	d / or 2/3 rated	DCL	1.25 x initial limit				
Endurance	voltage (U	Jr) at 125° C for 2000 hour se of $\leq 0.1\Omega/V$. Stabilize at	s through a circuit	ΔC/C	within ±20% of initial value				
		ours before measuring.		DF	1.5 x initial limit				
				ESR	2 x initial limit				
				Visual examination	no visible damage				
	Store at 1	25°C, no voltage applied,	for 2000 hours.	DCL	2 x initial limit				
Storage Life		at room temperature for 1	-2 hours before	ΔC/C	within ±20% of initial value				
	measuring	g.		DF	1.5 x initial limit				
				ESR	2 x initial limit				
				Visual examination	no visible damage				
		65°C and 95% relative I		DCL	3 x initial limit				
Humidity	temperat	ith no applied voltage. Sure and humidity for 1-2	2 hours before	ΔC/C	within +30/-20% of initial value				
	measurin			DF	1.5 x initial limit				
				ESR	2 x initial limit				
	Step 1	Temperature°C +20	Duration(min) 15	-	+20°C -55°C +20°C +85°C +125°C +20°C				
Temperature	2	+20 -55 +20	15 15	DCL					
Stability	4	+85	15	ΔC/C	n/a +0/-20% ±5% +20/-0% +30/-0% ±5%				
	5 6	+125 +20	15 15	- DF					
				Visual examination	no visible damage				
Surge	Apply 1.3	3x 2/3x rated voltage (Ur) at 125°C for	DCL	initial limit				
Voltage		cles of duration 6 min (ΔC/C	within +10/-20% of initial value for Vr ≤ 10V				
Voltage	discharg	e resistance of 1000Ω	J	20/0	within +20/-30% of initial value for Vr ≥ 16V				
				DF	1.25 x initial limit				
				Visual examination	no visible damage				
Mechanical				DCL	initial limit				
Shock	MIL-STE	0-202, Method 213, Co	ondition C	ΔC/C	within ±5% of initial value				
SHOCK				DF	initial limit				
				ESR	initial limit				
				Visual examination	no visible damage				
				DCL	initial limit				
Vibration	Vibration MIL-STD-202, Method 204, Condition D		ondition D	ΔC/C	within ±5% of initial value				
			DF	initial limit					
				ESR	initial limit				

*Initial Limit

Initial measurement max. 1hr after the removal from dry pack or after pretreatment at 85°C for 24 hours.



Conductive Polymer Solid Electrolytic Chip Capacitors

PRODUCT CATEGORY 2, 3, 4 (TEMPERATURE RANGE -55°C TO +105°C)

TEST		Condition		Characteristics								
		ed voltage (Ur) at 85°C		Visual examination	no vi	sible dan	nage					
		circuit impedance of \(\)		DCL	1.25	x initial li	mit					
Endurance	3, 4) at 105°C for 2000 hours through a circuit impedance of ≤0.1Ω/V Always stabilize at roon temperature for 1-2 hours before measuring.	Itage (CATEGORY	ΔC/C	withi	n ±20% (of initial	value					
				DF	1.5 x	initial lin	nit					
				ESR	2 x ir	nitial limit						
				Visual examination	no vi	sible dan	0200					
				DCL (V _R ≤ 75V)		x initial l						
Ctorono Life		105°C, no voltage appl		DCL (VR > 75V)		nitial limi						
Storage Life		abilize at room temper fore measuring.	ature for 1-2	ΔC/C		within ±20% of initial value						
		g-		DF		initial lin		valuo				
				ESR		nitial limit						
				Visual examination	_	no visible damage						
		65°C and 95% relative I	•	DCL	3 x ir	nitial limit						
Humidity		th no applied voltage. Sure and humidity for 1-2		ΔC/C	withi	n +30/-20	0% of in	itial valu	e			
	measuring		2 Hours before	DF	1.5 x	1.5 x initial limit						
				ESR	2 x ir	nitial limit						
	Step	Temperature°C	Duration(min)		+20°C	-55°C	+20°C	+85°C	+105°C	+20°C		
Temperature	2	1 +20 15 2 -55 15 3 +20 15	DCL	IL*	n/a	IL*	10 x II *	12.5 x IL [*]				
Stability	3 4	+20 +85	15 15	ΔC/C		+0/-20%			+30/-0%			
Otability	5	+105	15									
	6	+20	15	DF Visual examination	IL*	1.5 x IL*	IL*	1.5 x IL*	2 X IL*	IL*		
		x rated voltage (Ur) at 1 RY 2, or apply 1.3x 0.8x				sible dar	nage					
Surge	at 105°C f	for CATEGORY 3, 4 for	1000 cycles of	DCL		l limit	201 11					
Voltage		min (30 sec charge, 5		ΔC/C	1	n +10/-2						
	of 1000Ω) through a charge / dis	charge resistance	DF		n +20/-3		iitiai vaiu	e for vr	≥ 16V		
				Visual examination		x initial li sible dam						
				DCL VISUAL EXAMINATION	initial		age					
Mechanical	MII -STD	-202, Method 213, Co	andition C	ΔC/C		1111111 1 ±5% of	initial val					
Shock	WIL-01D	-202, Method 210, 00	oridition o	DF	initial		ii ii liai vai	ue				
				ESR	initial							
			Visual examination		sible dam	age						
				DCL	initial		3-					
Vibration	Vibration MIL-STD-202, Method 204, Condition D	ΔC/C		1 ±5% of	initial val	ue						
	WIL-STD-202, Method 204, Condition D		- -	DF	initial							
				ESR								
	1			l		initial limit						

*Initial Limit

Initial measurement max. 1hr after the removal from dry pack or after pretreatment at 85°C for 24 hours.



Conductive Polymer Solid Electrolytic Chip Capacitors

PRODUCT CATEGORY 5 (TEMPERATURE RANGE -55°C TO +85°C)

TEST		Condition		Characteristics							
				Visual examination no visible damage							
	Apply rate	ed voltage (Ur) at 85°C fo	r 2000 hours	DCL	1.25 x ir	nitial limit					
Endurance	through a	circuit impedance of ≤0.	1Ω/V. Stabilize at	ΔC/C	within ±	20% of init	tial value				
	room tem	perature for 1-2 hours be	etore measuring.		1.5 x ini	tial limit					
Endurance Storage Life Humidity				_	2 x initia	al limit					
						le damage					
_	Store at 8	5°C, no voltage applied,	for 2000 hours.	_		nitial limit					
Storage Life	Stabilize a	at room temperature for 1	I-2 hours before			20% of init	tial value				
Humidity Femperature Stability	measuring	g.			1.5 x ini						
Endurance Storage Life Humidity Femperature Stability Surge Voltage Mechanical Shock				-	2 x initial limit						
						le damage					
	Store at 6	65°C and 95% relative h	numidity for 500	-	5 x initia						
Humidity	temperati	ure and humidity for 1-2	hours before			40/-20% o	f initial va	lue			
	measurin				1.5 x ini						
	Step	Tanana natu wa °C	C and 95% relative humidity for 500 no applied voltage. Stabilize at room and humidity for 1-2 hours before Temperature°C Duration(min) +20 15 15 15 15 15 15 15 15 15 15 15 15 15		2 x initi			1			
	1			_	+20°C	-55°C	+20°C	+85°C	+20°C		
Temperature	2		15	DCL	IL*	n/a	IL*	10 x IL*	IL*		
Stability	3 4			ΔC/C	n/a	+0/-20%	±5%	+20/-0%	±5%		
-	5			DF	IL*	1.5 x IL*	IL*	1.5 x IL*	IL*		
			•	Visual examination	no visib	le damage	•				
Stability Surge	Apply 1.3	x rated voltage (Ur) at 8	35°C for	DCL	initial lin	nit					
	5 min 30	sec discharge) through e resistance of 1000Ω	a charge /	ΔC/C				lue for Vr ≤ lue for Vr ≥			
				DF	1.25 x ir	nitial limit					
				Visual examination	no visib	le damage					
Mechanical				DCL	initial lin	nit					
	MIL-STD	0-202, Method 213, Co	ondition C	ΔC/C	within ±	5% of initia	al value				
SHOCK				DF	initial lin	nit					
				ESR	initial lin	nit					
				Visual examination	no visib	le damage					
				DCL	initial lin						
Voltage Mechanical Shock	MIL-STD	0-202, Method 204, Co	ondition D	ΔC/C	within ±	5% of initia	al value				
				DF	initial lin						
				ESR	initial lin						

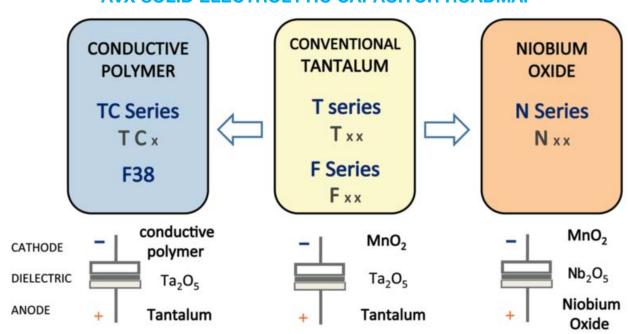
*Initial Limit

Initial measurement max. 1hr after the removal from dry pack or after pretreatment at 85°C for 24 hours.

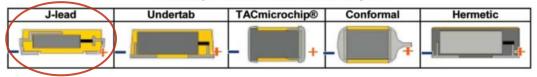


Conductive Polymer Solid Electrolytic Chip Capacitors

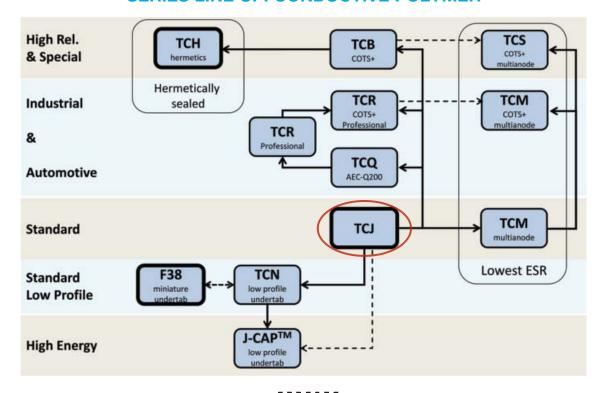
AVX SOLID ELECTROLYTIC CAPACITOR ROADMAP



Five Capacitor Construction Styles



SERIES LINE UP: CONDUCTIVE POLYMER



Mouser Electronics

Authorized Distributor

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AVX:

TCJB107M006R0045	TCJB336M010R0070	TCJW157M006R004	0 TCJB336M006R007	0 TCJH157M006R0200
TCJB686M006R0055	TCJA106M010R0300	TCJA156M006R0300	TCJB107M004R0070	TCJB107M006R0070
TCJB476M010R0070	TCJB686M006R0070	TCJT476M006R0080	TCJW686M006R0070	TCJT336M010R0070
TCJB106M016R0200	TCJB157M006R0070	TCJB227M004R0070	TCJG107M004R0300	TCJB227M006R0200
TCJP105M025R0500	TCJT476M006R0120	TCJK475M010R0500	TCJB105M050R0300	TCJY106M035R0070
TCJB226M016R0150	TCJB107M002R0070	TCJB157M002R0070	TCJT686M004R0080	TCJB686M004R0070
TCJC336M010R0100	TCJA336M006R0200	TCJA476M006R0200	TCJA476M004R0200	TCJB226M010R0300
TCJT107M004R0150	TCJA686M004R0250	TCJA107M004R0200	TCJR106M006R0500	TCJB157M004R0070
TCJA106M016R0200	TCJA156M010R0200	TCJB336M006R0200	TCJA226M004R0300	TCJA156M004R0300
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TCJB336M010R0200	TCJT226M006R0150	TCJT336M006R0150	TCJC686M006R0100	TCJB156M016R0150
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TCJA106M006R0300	TCJB476M006R0070	TCJA685M016R0200	TCJB155M035R0200	TCJB225M035R0200
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