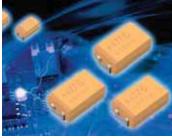
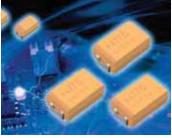
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### **Conductive Polymer Solid Electrolytic Chip Capacitors**





#### **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
- 18 case sizes available

#### APPLICATIONS

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



Elektra Award 2010







Code	EIA	EIA	L±0.20	W+0.20 (0.008)	H+0.20 (0.008)	W₁±0.20	A+0.30 (0.012)	S Min.
	Code	Metric	(800.0)	-0.10 (0.004)	-0.10 (0.004)	(0.008)	-0.20 (0.008)	
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)
V	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)
		\	W1 dimension a	applies to the termi	nation width for A d	imensional area c	only.	

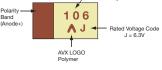
A, B, C, D, E, G, H, K, S, T, V, W, X, Y, 5 CASE

> **∧** 156 J ¬ XXXXX +

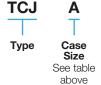
N, P, R CASE

Capacitance Value in pF 156 = 15µF

AVX LOGO Polymer



#### **HOW TO ORDER**



**MARKING** 

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

226

M

**Tolerance**  $M = \pm 20\%$ 

004 Rated

**DC Voltage** 002 = 2.5 Vdc035 = 35 Vdc

004 = 4 Vdc050 = 50 Vdc006 = 6.3 Vdc063 = 63 Vdc010 = 10 Vdc075 = 75 Vdc016 = 16 Vdc100 = 100 Vdc020 = 20 Vdc125 = 125 Vdc025 = 25 Vdc

R

**Packaging** R = Pure Tin 7" Reel S = Pure Tin 13" Reel 0300

ESR in  $m\Omega$ 

#### 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 0.1 $\Omega$ /V series impedance, 60% confidence level
Resistance to soldering heat:	3x260°C peak for max. 10s reflow

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 temperaature 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.



### **Conductive Polymer Solid Electrolytic Chip Capacitors**

## CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

С	ар					Rated Vol	tage DC (V	) to 85°C						
μF	Code	2.5V (e)	4V (G)	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)	63V ( <u>J</u> )	75V ( <u>P</u> )	100V (A)	125V ( <u>B</u> )
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(120) E(70,100)	E(100,150)	U*	U*	
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)	Y(45,60,70)	Y(70)	D(60,100) X(70,100) Y(60,70,100)	D(70,100) E(55,70)					
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)	E(55)					
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)						
100	107	A(200), B(70)	A(200) B(40,70) G(300) T(70,150)	A(100,150) B(40,45,55,69,70) T(70,200)	D(45,55,80) Y(25,45,55)	D(50), E(40) Y(50)	D(55) E(45)	D(55,70) E(80)						
150	157	B(70)	B(70), D(15) Y(15,25,45)	B(25,35,45,55,69,70) 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)								
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)									
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)	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)								
3300	338			U*										

Released ratings, (ESR ratings in m0hms in parentheses) Engineering samples - please contact AVX

\*Ratings under development - subject to change

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**

Part No.   Size   Guf   Very   Very   Very   Teinperature   Walt   Walt   Very   Server   California   Very   Ve	AVX	Case	Capacitance	Rated	Maximum Operating	DCL	DF	ESR Max.	10	00kHz RMS	Current (n	nA)	Product	
CARBORROGEOSO A 60 25 100 177 6 25 0 00 200 500 - 3 3				Voltage (V)	Temperature	Max. (μA)	Max. (%)	@ 100kHz	45°C	85°C	105°C	125°C		MSL
CARTOPHOCOPHOPOLO   A   100   2.5   105   25   6   200   700   500   200   -3   3   3   3   3   3   3   3   3	50.14.0001.4000.000			0.5				·						
Cartering   Cart														3
CREST/MOCPHOZOTO B B 1500 2.5 105 37.5 6 70 1300 900 100 - 3 8 1500 225 105 105 105 105 105 105 105 105 105 10														3
CALDEZYMOGOSOUS B B 220 2.5 105 55 8 35 1900 1900 - 3 CALDEZYMOGOSOUS B CALDEZ STANDARD STAND														3
CAIDEZPMOZEMONS B 220 2.5 105 55 8 46 1700 1200 800 - 3 3 CAIDEZPMOZEMONS B 20 2.5 105 65 8 8 70 1300 900 600 - 3 3 CAIDEZPMOZEMONS B 300 2.5 105 85 8 8 70 1300 900 600 - 3 3 CAIDEZPMOZEMONS B 300 2.5 105 82.5 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	FCJB227M002#0035													3
CB837M002e0036	ГСJB227M002#0045				105				1700	1200	800	-		3
CHRSSYMOZEROMS B 330	ГСЈВ227M002#0070				105	55			1300	900	600	_	3	3
CLBSSYMOGROPOOLE B 330 2.6 105 82.5 8 70 1300 900 600 - 3 3 CLWSSYMOGROPOOLE Y 330 2.6 105 82.5 6 25 2700 1900 1200 - 2 2 CLWSSYMOGROPOOLE Y 330 2.6 105 89.5 6 25 2700 1900 1200 - 2 3 CLWSSYMOGROPOOLE Y 330 2.6 105 89.5 6 40 2200 1500 1000 - 2 3 CLWSSYMOGROPOOLE Y 330 2.6 105 105 89.5 6 40 2200 1500 1000 - 2 3 CLWSSYMOGROPOOLE Y 330 2.6 105 105 17.5 6 10 40 220 1500 1000 - 2 2 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 15 3000 2700 1600 - 2 2 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 25 200 2700 1600 - 2 2 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 5 50 2100 1500 900 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 2700 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 20 2100 1500 900 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 20 2100 1500 900 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 20 2100 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 900 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1500 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1000 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1900 1000 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 50 1100 1000 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 105 117.5 6 1000 117.5 6 6 1000 1000 1000 - 3 CLWSSYMOGROPOOLE Y 470 2.5 1000 117.5 6 6 1000 1000 1000 1000 1000 1000 1000	FCJB337M002#0035											_		3
CAYASTMOGARDOLO Y 330 2.5 105 82.5 6 25 2700 1900 1200 - 2 2 CAYASTMOGARDOLO Y 330 2.5 105 82.5 6 40 2200 1500 1000 - 3 3 CAPATRIMOGRODI Y 300 2.5 105 82.5 105 117.5 6 12 4300 300 1000 - 2 2 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 12 4300 300 300 1800 - 2 2 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 12 4300 300 2100 1400 - 2 2 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 10 12 4300 2100 1400 - 2 2 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 10 12 4300 2100 1400 - 2 2 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 10 12 4300 1700 1100 - 3 3 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 10 10 10 10 10 - 3 3 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 10 10 10 10 10 - 3 3 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 15 3500 2500 1200 1400 - 2 2 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 15 15 3500 2500 1200 1200 - 5 3 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 15 15 3500 2500 1200 1200 - 5 3 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 15 15 3500 2500 1200 1200 - 5 3 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 15 15 3500 2500 1200 1200 - 5 3 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 15 15 3500 1200 1200 1200 - 5 3 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 15 15 3500 1200 1200 1200 - 3 3 CAPATRIMOGRODI Y 470 2.5 105 117.5 6 10 10 10 10 10 10 10 10 10 10 10 10 10														3
CLYG37MO0290040 Y 330 2.5 105 82.6 6 40 2200 1500 1000 - 3 CL0477MO0290012 D 470 2.5 105 117.5 6 12 4300 3000 1900 - 2 CL0477MO0290012 D 470 2.5 105 117.5 6 15 3000 2700 1800 - 2 CL0477MO029002 D 470 2.5 105 117.5 6 15 3000 2700 1800 - 2 CL0477MO029002 D 470 2.5 105 117.5 6 26 28 3000 2100 1400 - 3 CL0477MO029000 D 470 2.5 105 117.5 6 26 28 3000 2100 1400 - 3 CL0477MO029000 D 470 2.5 105 117.5 6 26 28 3000 2100 1400 - 3 CL0477MO029000 D 470 2.5 105 117.5 6 17.5 6 117.5 6														3
CDATYMOG290012														3
CLIATAMOCHICOS   D   470   2.5   105   117.5   6   15   3800   2700   1800   - 2   2   2   2   2   2   2   2   2												_		3
CLD477M00240026														3
C.DATPMO0290040   D														3
CLY47MO02#0015	ГСJD477M002#0040													3
Cyn477M00290040	ГСJD477M002#0050	D	470	2.5	105	117.5	6	50	2100	1500	900	_	3	3
CLY47TM0028050 Y Y 470 2.5 105 117.5 6 40 2200 1500 1000 - 3 3 CLY47TM00280505 Y 470 2.5 105 117.5 6 50 60 1000 1300 900 - 3 3 4 Volt 88°C  CLA156M004R0300 A 15 4 125 6 6 6 300 600 400 300 200 1 CLY47M004R0300 A 22 4 125 6 6 6 300 600 400 300 200 1 CLY47M004R0300 A 22 4 125 6 8.8 6 300 600 400 300 200 1 CLY47M004R0300 A 22 4 125 6 8.8 6 6 300 600 400 300 200 1 CLY47M004R0300 A 22 4 125 6 8.8 6 6 300 600 400 300 200 1 CLY47M004R0300 A 47 4 105 18.8 6 200 700 500 300 200 1 CLY47M004R0300 A 47 4 105 18.8 8 80 1100 800 500 - 3 3 CLY47M004R0300 B 88 4 105 27.2 6 70 1300 900 600 300 1 3 CLY47M004R0300 B 88 4 105 27.2 6 70 1300 900 600 300 1 3 CLY47M004R0300 B 88 4 105 27.2 8 80 1100 800 500 - 3 3 CLY47M004R0300 B 88 4 105 27.2 8 80 1100 800 500 - 3 3 CLY47M004R0300 B 800 4 105 40 8 40 8 40 8 40 8 40 8 40 8 40 8 40	ΓCJY477M002#0015					117.5						_		3
CLAISEMMO449300 A 15 4 125 6 6 6 300 600 400 300 200 1 CLAISEMMO449300 A 22 4 125 6 6 6 300 600 400 300 200 1 CLAISEMMO449300 A 22 4 125 6 6 6 300 600 400 300 200 1 CLAISEMMO449300 A 22 4 125 8.8 6 300 600 400 300 200 1 CLAISEMMO449300 A 33 4 125 13,2 6 300 600 400 300 200 1 CLAISEMMO449300 A 33 4 125 13,2 6 300 600 400 300 200 1 CLAISEMMO449300 A 33 4 125 13,2 6 300 600 400 300 200 1 CLAISEMMO449300 A 47 4 100 13,2 6 300 600 400 300 200 1 CLAISEMMO449300 A 47 4 100 15 18,8 6 20 700 300 300 20 1 CLAISEMMO449300 A 6 8 4 105 27,2 6 250 600 400 300 - 3 CLAISEMMO449070 B 68 4 105 27,2 8 80 1100 800 500 - 3 CLAISEMMO449000 B 100 4 105 40 8 40 1800 1300 800 - 3 CLBIOTMO449040 B 100 4 105 40 8 40 1800 1300 800 - 3 CLBIOTMO449070 B 100 4 105 40 8 70 1300 900 600 300 - 3 CLBIOTMO449070 B 100 4 105 40 10 300 600 400 300 - 3 CLGLIOTMO449000 B 100 4 105 40 10 300 600 400 300 - 3 CLGLIOTMO449000 B 100 4 105 40 10 300 600 400 300 - 3 CLGLIOTMO449000 B 100 4 105 40 10 300 600 400 300 - 3 CLGLIOTMO449000 B 100 4 105 40 10 300 600 400 300 - 3 CLGLIOTMO449000 B 100 4 105 40 10 300 600 400 300 - 3 CLGLIOTMO449000 B 100 4 105 40 10 300 600 400 300 - 3 CLGLIOTMO449000 B 100 4 105 40 10 300 600 400 300 - 3 CLGLIOTMO449000 B 100 4 105 40 10 300 600 400 300 - 3 CLGLIOTMO449000 B 100 4 105 60 6 15 3800 20 - 3 CLGLIOTMO449000 B 100 4 105 60 6 15 3800 20 - 3 CLGLIOTMO44900 B 100 4 105 60 6 15 3800 20 - 3 CLGLIOTMO44900 B 100 4 105 60 6 15 3800 20 - 3 CLGLIOTMO44900 B 100 4 105 60 6 15 3800 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TCJY477M002#0025											_		3
CIA156MO0440300 A 15 4 125 6 6 300 600 400 300 200 1 CIA256MO0440300 A 22 4 126 8.8 6 300 600 400 300 200 1 CIA3636MO0440300 A 33 4 125 13.2 6 300 600 400 300 200 1 CIA3636MO0440200 A 47 4 105 18.8 6 200 700 500 300 - 3 CIA1676MO0440200 A 47 4 105 18.8 6 200 700 500 300 - 3 CIA1676MO0440200 A 47 4 105 18.8 8 8 0 1100 800 800 - 3 CIA636MO0440200 A 66 4 105 27.2 6 25 600 400 300 200 1 CIA636MO0440200 A 66 4 105 27.2 6 25 600 400 300 300 - 3 CIA636MO0440200 A 100 4 105 40 6 25 27 2 8 6 1100 800 800 - 3 CIA636MO0440200 A 100 4 105 40 6 200 700 500 300 - 3 CIA636MO0440200 A 100 4 105 40 8 40 1800 1300 800 - 3 CIA636MO0440200 A 100 4 105 40 8 40 1800 1300 800 - 3 CIA636MO0440200 B 100 4 125 40 8 70 1300 800 600 400 300 - 3 CIA636MO0440070 B 100 4 105 40 8 40 1800 1300 800 - 3 CIA636MO0440070 B 100 4 105 40 8 40 1800 1300 800 - 3 CIA636MO0440070 B 100 4 105 40 8 70 1300 800 600 300 1 CIA6376MO0440070 T 100 4 105 40 8 70 1300 800 600 300 1 CIA636MO0440070 B 100 4 105 40 8 70 1300 800 600 300 1 CIA636MO0440070 T 100 4 105 40 8 70 1200 800 500 - 3 CIA636MO0440070 T 100 4 105 40 8 70 1200 800 500 - 3 CIA636MO0440070 T 100 4 105 60 6 70 1300 800 600 400 300 - 3 CIA636MO0440070 T 100 4 105 80 8 15 800 800 800 500 - 3 CIA636MO0440070 T 100 4 105 80 8 15 800 800 800 800 800 800 800 800 800 80														3
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CJD227M004#0025   D   220   4   105   88   6   25   3000   2100   1400   -   2   CJD227M004#0040   D   220   4   105   88   6   40   2400   1700   1100   -   2   CJV227M004#0015   Y   220   4   105   88   6   15   3500   2500   1600   -   2   CJV227M004#0025   Y   220   4   105   88   6   25   2700   1900   1200   -   2   CJV227M004#0040   Y   220   4   105   88   6   40   2200   1500   1000   -   3   CJV327M004#0040   Y   220   4   105   88   6   40   2200   1500   1000   -   3   CJJ337M004#0040   D   330   4   105   132   6   15   3900   2700   1800   -   2   CJJ337M004#0040   D   330   4   105   132   6   25   3000   2100   1400   -   2   CJJ337M004#0040   D   330   4   105   132   6   40   2400   1700   1100   -   3   CJJ337M004#0040   D   330   4   105   132   6   50   2100   1500   900   -   3   CJJ337M004#0040   D   330   4   105   132   6   50   2100   1500   900   -   3   CJJ337M004#0040   D   330   4   105   132   6   50   2100   1500   900   -   3   CJJ337M004#0040   Y   330   4   85   132   6   15   3500   2500   -   -   5   CJJ337M004#0040   Y   330   4   105   132   6   25   2700   1900   1200   -   3   CJJ337M004#0040   Y   330   4   105   132   6   40   2200   1500   1000   -   3   CJJ337M004#0040   Y   330   4   105   132   6   50   1900   1300   900   -   3   CJJ337M004#0040   Y   330   4   105   132   6   50   1900   1300   900   -   2   CJJ477M004#0010   D   470   4   105   188   6   10   4700   3300   2100   -   2   CJJ477M004#0015   D   470   4   105   188   6   15   3900   2700   1800   -   2   CJJ477M004#0015   D   470   4   105   188   6   15   3900   2700   1800   -   2   CJJ477M004#0015   D   470   4   105   188   6   15   3900   2700   1800   -   2   CJJ477M004#0015   D   470   4   105   188   6   15   3900   2700   1800   -   2   CJJ477M004#0015   D   470   4   105   188   6   50   1900   1300   900   -   3   CJJ477M004#0050   D   470   4   105   188   6   50   1900   1300   900   -   3   CJJ477M004#0050   Y   470   4   105   188   6   50   1900   1300   900   -   3   CJJ477M004#0			220											3
CJD227M004#0040   D   220												_		3
CJY227M004#0015	CJD227M004#0023											_		3
CJY227M004#0045	FCJY227M004#0015													3
CJY327M004#0040	TCJY227M004#0025											_	2	3
CJD337M004#0025         D         330         4         105         132         6         25         3000         2100         1400         -         2           CJD337M004#0040         D         330         4         105         132         6         40         2400         1700         1100         -         3           CJV337M004#0050         D         330         4         105         132         6         50         2100         1500         900         -         3           CJY337M004#0015         Y         330         4         85         132         6         15         3500         2500         -         -         5           CJY337M004#0045         Y         330         4         105         132         6         25         2700         1900         1200         -         3           CJY337M004#0040         Y         330         4         105         132         6         25         2700         1900         1200         -         3           CJY337M004#0050         Y         330         4         105         132         6         50         1900         1300         900         -	ГСЈY227M004#0040	Υ	220	4			6		2200	1500	1000	_	3	3
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CQJD337M004#0050         D         330         4         105         132         6         50         2100         1500         900         —         3           CJY337M004#0015         Y         330         4         85         132         6         15         3500         2500         —         —         5           CJY337M004#0040         Y         330         4         105         132         6         40         2200         1500         1000         —         3           CJY337M004#0040         Y         330         4         105         132         6         40         2200         1500         1000         —         3           CJY337M004#0050         Y         330         4         105         132         6         50         1900         1300         900         —         3           CJY337M004#0040010         D         470         4         105         188         6         10         4700         300         2100         —         2           CJD477M004#0015         D         470         4         105         188         6         15         3900         2700         1800         —	CJD337M004#0025													3
C_JY337M004#0015														3
CJY337M004#0025         Y         330         4         105         132         6         25         2700         1900         1200         —         3           CJY337M004#0040         Y         330         4         105         132         6         40         2200         1500         1000         —         3           CJY337M004#0050         Y         330         4         105         132         6         50         1900         1300         900         —         3           CJD477M004#0010         D         470         4         105         188         6         10         4700         3300         2100         —         2           CJD477M004#0015         D         470         4         105         188         6         15         3900         2700         1800         —         2           CJD477M004#004005         D         470         4         105         188         6         25         3000         2100         1400         —         2           CJD477M004#0040         D         470         4         105         188         6         25         3000         2100         1400         —											900			3
CJY337M004#0040         Y         330         4         105         132         6         40         2200         1500         1000         —         3           CJY337M004#0050         Y         330         4         105         132         6         50         1900         1300         900         —         3           CJD477M004#0010         D         470         4         105         188         6         10         4700         3300         2100         —         2           CJD477M004#0012         D         470         4         105         188         6         12         4300         3000         1900         —         2           CJD477M004#0015         D         470         4         105         188         6         15         3900         2700         1800         —         2           CJD477M004#0025         D         470         4         105         188         6         25         3000         2100         1400         —         2           CJY477M004#0050         D         470         4         105         188         6         40         2400         1700         1100         —											1200			3
CJY337M004#0050         Y         330         4         105         132         6         50         1900         1300         900         —         3           CJD477M004#0010         D         470         4         105         188         6         10         4700         3300         2100         —         2           CJD477M004#0012         D         470         4         105         188         6         12         4300         3000         1900         —         2           CJD477M004#0015         D         470         4         105         188         6         15         3900         2700         1800         —         2           CJD477M004#0025         D         470         4         105         188         6         25         3000         2100         1400         —         2           CJD477M004#0025         D         470         4         105         188         6         40         2400         1700         1100         —         2           CJD477M004#00400050         D         470         4         105         188         6         50         2100         1500         900         —														3
CJD477M004#0010   D   470   4   105   188   6   10   4700   3300   2100   -   2   CJD477M004#0012   D   470   4   105   188   6   12   4300   3000   1900   -   2   CJD477M004#0015   D   470   4   105   188   6   15   3900   2700   1800   -   2   CJD477M004#0025   D   470   4   105   188   6   25   3000   2100   1400   -   2   CJD477M004#0040   D   470   4   105   188   6   25   3000   2100   1400   -   2   CJD477M004#0040   D   470   4   105   188   6   40   2400   1700   1100   -   2   CJD477M004#0050   D   470   4   105   188   6   50   2100   1500   900   -   2   CJP477M004#0045   Y   470   4   85   188   6   15   3500   2500   -   -   5   CJP477M004#0025   Y   470   4   105   188   6   25   2700   1900   1200   -   3   CJP477M004#0040   Y   470   4   105   188   6   25   2700   1900   1200   -   3   CJP477M004#0040   Y   470   4   105   188   6   50   1900   1300   900   -   3   CJP477M004#0050   Y   470   4   105   188   6   50   1900   1300   900   -   3   CJP477M004#0050   Y   470   4   105   188   6   50   1900   1300   900   -   3   CJP477M004#0050   Y   470   4   105   188   6   50   1900   1300   900   -   3   CJP477M004#0050   Y   470   4   105   188   6   50   1900   1300   900   -   3   CJP477M004#0050   Y   470   4   105   188   6   50   1900   1300   900   -   3   CJP477M004#0050   N   10   6.3   105   6   6   250   600   400   300   -   3   CJP477M004#0050   N   10   6.3   105   6   6   250   600   400   300   -   3   CJP477M006#006#0250   N   10   6.3   105   6   6   250   600   400   300   -   3   CJP477M006#006#0250   N   10   6.3   105   6   6   250   600   400   300   200   -   3   CJP477M006#006#0250   N   10   6.3   105   6   6   500   400   300   200   -   3   CJP477M006#006#0250   N   10   6.3   105   6   6   500   400   300   200   -   3   CJP477M006#006#0250   N   10   6.3   105   6   6   500   400   300   200   -   3   CJP477M006#006#0250   N   10   6.3   105   6   6   500   400   300   200   -   3   CJP477M004#006#006#0250   N   10   6.3   105   6   6   500   400   300   200   -														3
CQD477M004#0012         D         470         4         105         188         6         12         4300         3000         1900         —         2           CJD477M004#0015         D         470         4         105         188         6         15         3900         2700         1800         —         2           CJD477M004#0025         D         470         4         105         188         6         25         3000         2100         1400         —         2           CJD477M004#0040         D         470         4         105         188         6         25         3000         2100         1400         —         2           CJD477M004#0050         D         470         4         105         188         6         50         2100         1500         900         —         2           CJY477M004#004055         Y         470         4         85         188         6         15         3500         2500         —         —         5           CJY477M004#0040         Y         470         4         105         188         6         25         2700         1900         1200         —														3
CJD477M004#0015         D         470         4         105         188         6         15         3900         2700         1800         —         2           CJD477M004#0025         D         470         4         105         188         6         25         3000         2100         1400         —         2           CJD477M004#0040         D         470         4         105         188         6         40         2400         1700         1100         —         2           CJD477M004#0050         D         470         4         105         188         6         50         2100         1500         900         —         2           CJY477M004#0050         Y         470         4         85         188         6         15         3500         2500         —         —         5           CJY477M004#0025         Y         470         4         105         188         6         25         2700         1900         1200         —         3           CJY477M004#0040         Y         470         4         105         188         6         25         2700         1900         1200         —	FCJD477M004#0012													3
CJD477M004#0025   D   470   4   105   188   6   25   3000   2100   1400   -   2   CJD477M004#0040   D   470   4   105   188   6   40   2400   1700   1100   -   2   CJD477M004#0050   D   470   4   105   188   6   50   2100   1500   900   -   2   CJY477M004#0015   Y   470   4   85   188   6   15   3500   2500   -   -   5   CJY477M004#0025   Y   470   4   105   188   6   25   2700   1900   1200   -   3   CJY477M004#0040   Y   470   4   105   188   6   40   2200   1500   1000   -   3   CJY477M004#0040   Y   470   4   105   188   6   40   2200   1500   1000   -   3   CJY477M004#0050   Y   470   4   105   188   6   50   1900   1300   900   -   3   CJY477M004#0050   Y   470   4   105   188   6   50   1900   1300   900   -   3   CJY477M004#0050   X   470   4   105   188   6   50   1900   1300   900   -   3   CJY477M004#0050   X   10   6.3   125   6   6   6   300   600   400   300   200   1   CJY106M006#0200   N   10   6.3   105   6   6   6   250   600   400   300   -   3   CJY106M006#0250   N   10   6.3   105   6   6   6   250   600   400   300   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3   105   6   6   500   400   300   200   -   3   CJY106M006#0500   N   10   6.3	ГСJD477M004#0015											_		3
CQJD477M004#0040         D         470         4         105         188         6         40         2400         1700         1100         —         2           CJD477M004#0050         D         470         4         105         188         6         50         2100         1500         900         —         2           CJY477M004#0015         Y         470         4         85         188         6         15         3500         2500         —         —         —         5           CJY477M004#0025         Y         470         4         105         188         6         25         2700         1900         1200         —         3           CJY477M004#0050         Y         470         4         105         188         6         40         2200         1500         1000         —         3           CJY477M004#0050         Y         470         4         105         188         6         50         1900         1300         900         —         3           CJY477M004#0050         Y         470         4         105         188         6         50         1900         1300         900	TCJD477M004#0025	D			105	188	6		3000	2100	1400	_	2	3
CJY477M004#0015	ΓCJD477M004#0040	D			105	188		40		1700		_	2	3
CJY477M004#0025         Y         470         4         105         188         6         25         2700         1900         1200         —         3           CJY477M004#0040         Y         470         4         105         188         6         40         2200         1500         1000         —         3           CJY477M004#0050         Y         470         4         105         188         6         50         1900         1300         900         —         3           GJY477M004#0050         Y         470         4         105         188         6         50         1900         1300         900         —         3           GJY477M004#0050         A         10         6.3         125         6         6         300         600         400         300         200         1           CJN106M006#0200         N         10         6.3         105         6         6         250         600         400         300         —         3           CJN106M006#0500         N         10         6.3         105         6         6         250         600         400         30	CJD477M004#0050													3
CJY477M004#0040 Y 470 4 105 188 6 40 2200 1500 1000 - 3 CJY477M004#0050 Y 470 4 105 188 6 50 1900 1300 900 - 3  CJY477M004#0050 Y 470 4 105 188 6 50 1900 1300 900 - 3  CJA106M006#0300 A 10 6.3 125 6 6 6 300 600 400 300 200 1  CJN106M006#0200 N 10 6.3 105 6 6 200 600 400 300 - 3  CJN106M006#0250 N 10 6.3 105 6 6 250 600 400 300 - 3  CJN106M006#0500 N 10 6.3 105 6 6 500 400 300 200 - 3	FCJY477M004#0015													3
CJY477M004#0050         Y         470         4         105         188         6         50         1900         1300         900         -         3           6.3 Volt @ 85°C           CJA106M006#0300         A         10         6.3         125         6         6         300         600         400         300         200         1           CJN106M006#0200         N         10         6.3         105         6         6         200         600         400         300         -         3           CJN106M006#0250         N         10         6.3         105         6         6         250         600         400         300         -         3           CJN106M006#0500         N         10         6.3         105         6         6         500         400         300         -         3														3
6.3 Volt @ 85°C           C_JA106M006#0300         A         10         6.3         125         6         6         300         600         400         300         200         1           C_JN106M006#0200         N         10         6.3         105         6         6         200         600         400         300         -         3           CJN106M006#0250         N         10         6.3         105         6         6         250         600         400         300         -         3           CJN106M006#0500         N         10         6.3         105         6         6         500         400         300         200         -         3														3
CJA106M006#0300         A         10         6.3         125         6         6         300         600         400         300         200         1           CJN106M006#0200         N         10         6.3         105         6         6         200         600         400         300         -         3           CJN106M006#0250         N         10         6.3         105         6         6         250         600         400         300         -         3           CJN106M006#0500         N         10         6.3         105         6         6         500         400         300         200         -         3	1 CJ Y 4 / / IVIUU4#UU5U	ΙΥ	4/0	4	105			1 50	1900	1300	900	_	3	3
CJN106M006#0200         N         10         6.3         105         6         6         200         600         400         300         —         3           CJN106M006#0250         N         10         6.3         105         6         6         250         600         400         300         —         3           CJN106M006#0500         N         10         6.3         105         6         6         500         400         300         200         —         3	FC. IA106M006#0300	Δ	10	6.3	125			300	600	400	300	200	1 1	3
CJN106M006#0250 N 10 6.3 105 6 6 250 600 400 300 - 3 CJN106M006#0500 N 10 6.3 105 6 6 500 400 300 200 - 3													3	3
CJN106M006#0500 N 10 6.3 105 6 6 500 400 300 200 - 3														3
														3
0011100111000110000   11   10   0.0   100   0   0   1 000   400   300   200   -   3	FCJR106M006#0500	R	10	6.3	105	6	6	500	400	300	200	_	3	3



### **Conductive Polymer Solid Electrolytic Chip Capacitors**

AVX	Case	Capacitance	Rated Voltage	Maximum Operating	DCL Max.	DF Max.	ESR Max.	10	00kHz RMS	Current (m	nA)	Product	MS
Part No.	Size	(μ <b>F</b> )	Voltage (V)	Temperature (°C)	Max. (μΑ)	(%)	@ 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	A	22	6.3	125	13.2	6	300	600	400	300	200	1	3
CJK226M006#0400	K	22	6.3	105	13.2	8 10	400 500	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	400	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	A	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	Т	33	6.3	105	19.8	8	150	800	600	400	_	3	(3)
CJA476M006#0070	Α	47	6.3	105	28.2	6	70	1200	800	500	_	3	9
CJA476M006#0100	Α	47	6.3	105	28.2	6	100	1000	700	500	_	3	3
CJA476M006#0200	A	47	6.3	105	28.2	6	200	700	500	300	-	3	3
CJB476M006#0070	В	47	6.3	125	28.2	6	70	1300	900	600	300	1	3
CJK476M006#0150 CJK476M006#0200	K	47 47	6.3 6.3	105 105	28.2 28.2	6	150 200	800 700	600 500	400 300	_	3	3
CJK476M006#0200	K	47	6.3	105	28.2	6	400	500	400	200	_	3	3
CJP476M006#0500	P	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	T	47	6.3	105	28.2	8	55	1300	900	600	_	3	3
CJT476M006#0069	Ť	47	6.3	105	20	8	69	1200	800	500	_	3	3
CJT476M006#0070	Ť	47	6.3	105	28.2	8	70	1200	800	500	-	3	3
CJT476M006#0080	Ť	47	6.3	105	28.2	8	80	1100	800	500	_	3	Ċ
CJT476M006#0120	Т	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	()
CJC686M006#0100	Ç	68	6.3	125	40.8	6	100	1300	900	600	300	1	3
CJT686M006#0200	T	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	3
CJA107M006#0100	A	100	6.3	105	60	10	100	1000	700	500	_	3	9
CJA107M006#0150 CJB107M006#0040	A B	100	6.3 6.3	105 105	60 60	10	150 40	800 1800	600 1300	400 800	_	3	3
CJB107M006#0040 CJB107M006#0045	В	100	6.3	105	60	10	45	1700	1200	800	_	3	3
CJB107M006#0045	В	100	6.3	105	60	10	55	1500	1100	700	_	3	3
CJB107M006#0069	В	100	6.3	105	60	10	69	1300	900	600	_	3	3
CJB107M006#0070	В	100	6.3	105	60	10	70	1300	900	600	_	3	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	9
CJB157M006#0045	В	150	6.3	105	90	10	45	1700	1200	800	_	3	C
CJB157M006#0055	В	150	6.3	105	90	10	55	1500	1100	700	_	3	9
CJB157M006#0069	В	150	6.3	105	90	10	69	1300	900	600	_	3	3
CJB157M006#0070	В	150	6.3	105	90	10	70	1300	900	600	-	3	3
CJD157M006#0012	D	150	6.3	105	90	6	12	4300	3000	1900	_	2	3
CJD157M006#0015	D D	150	6.3	105	90	6	15	3900	2700	1800	-	2	3
CJD157M006#0025 CJD157M006#0040	D	150 150	6.3 6.3	105 105	90	6	25 40	3000 2400	2100 1700	1400	_	2	3
CJH157M006#0040	Н	150	6.3	105	90	6	200	700	500	300	_	3	3
CJW157M006#0200	W	150	6.3	105	90	6	40	1800	1300	800	_	3	3
CJW157M006#0040	W	150	6.3	105	90	6	70	1400	1000	600	_	3	3
CJY157M006#0015	Y	150	6.3	105	90	6	15	3500	2500	1600	_	2	3
CJY157M006#0025	Ý	150	6.3	105	90	6	25	2700	1900	1200	-	2	3
CJY157M006#0040	Υ	150	6.3	105	90	6	40	2200	1500	1000	_	3	3
CJB227M006#0070	В	220	6.3	105	132	10	70	1300	900	600	-	3	C
CJB227M006#0200	В	220	6.3	105	132	10	200	800	600	400	-	3	3
CJD227M006#0012	D	220	6.3	105	132	6	12	4300	3000	1900	_	2	3
CJD227M006#0015	D	220	6.3	105	132	6	15	3900	2700	1800	_	2	3
CJD227M006#0025	D	220	6.3	105	132	6	25	3000	2100	1400	_	2	3
CJD227M006#0035 CJD227M006#0040	D D	220	6.3	105 105	132	6	35 40	2500	1800 1700	1100	-	3	3
JD227M006#0040 JD227M006#0050	D	220 220	6.3 6.3	105	132 132	6	50	2400 2100	1500	900	_	3	3
JH227M006#0050 JH227M006#0170	Н	220	6.3	105	132	10	170	800	600	400	_	3	3
CJY227M006#0015	Y	220	6.3	85	132	6	15	3500	2500	-	_	5	3
CJY227M006#0015	Ý	220	6.3	105	132	6	25	2700	1900	1200	_	2	
CJY227M006#0035	Y	220	6.3	105	132	6	35	2300	1600	1000	-	2	3
CJY227M006#0040	Ý	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	3
CJD337M006#0012	D	330	6.3	105	198	6	12	4300	3000	1900	_	3	C
CJD337M006#0015	D	330	6.3	105	198	6	15	3900	2700	1800	-	3	9
CJD337M006#0025	D	330	6.3	105	198	6	25	3000	2100	1400	_	3	3
CJD337M006#0040	D	330	6.3	105	198	6	40	2400	1700	1100	-	2	()
CJD337M006#0050	D	330	6.3	105	198	6	50	2100	1500	900	_	2	3
CJY337M006#0015	Y	330	6.3	85	198	12	15	3500	2500	-	_	5	3
CJY337M006#0025	Y	330 330	6.3	105 105	198	12 12	25	2700	1900	1200	_	3	3
		3.3(1)	6.3	1 105	198	1 12	40	2200	1500	1000	_	3	3
CJY337M006#0040 CJY337M006#0050	Ý	330	6.3	105	198	12	50	1900	1300	900	_	3	(3)



### **Conductive Polymer Solid Electrolytic Chip Capacitors**

AVX	Case	Capacitance	Rated Voltage	Maximum Operating	DCL Max.	DF Max.	ESR Max.	10	OOKHZ RMS	Current (m	nA)	Product	MSL
Part No.	Size	(μF)	(V)	Temperature (°C)	(μ <b>A</b> )	(%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	
CJX477M006#0055 CJX477M006#0100	X	470 470	6.3 6.3	105 105	282 282	6	55 100	1800 1300	1300	800 600	<u> </u>	3	3
30X41 1 WOOO#O 100		470	0.0	100		t @ 85°C	100	1000	300	000		0	
CJK475M010#0300	K	4.7	10	105	4.7	6	300	500	400	200	-	3	3
CJK475M010#0500	K	4.7	10	105	4.7	6	500	400	300	200		3	3
CJR475M010#0500 CJA106M010#0200	R A	4.7	10 10	105 125	4.7 10	6	500 200	400 700	300 500	200 300	200	3	3
CJA106M010#0300	A	10	10	125	10	6	300	600	400	300	200	1	3
CJA156M010#0200	A	15	10	125	15	6	200	700	500	300	200	1	3
CJB226M010#0300	В	22	10	125	22	6	300	600	400	300	200	1	3
CJT226M010#0070	T	22	10	105	22	6	70	1200	800	500	_	3	3
CJT226M010#0150 CJB336M010#0070	В	22 33	10 10	105 125	22 33	6	150 70	800 1300	900	400 600	300	3	3
CJB336M010#0200	В	33	10	125	33	6	200	800	600	400	200	1	3
CJC336M010#0100	С	33	10	125	33	6	100	1300	900	600	300	1	3
CJT336M010#0070	Ţ	33	10	105	33	6	70	1200	800	500	_	3	3
CJT336M010#0150 CJB476M010#0070	В	33 47	10 10	105 105	33 47	6	150 70	800 1300	900	400 600	_	3	3
CJC476M010#0100	C	47	10	125	47	6	100	1300	900	600	300	1	3
CJD686M010#0045	D	68	10	105	68	6	45	2200	1500	1000	-	3	3
CJD686M010#0055	D	68	10	105	68	6	55	2000	1400	900	_	3	3
CJY686M010#0045	Y	68	10	105	68	6	45	2000	1400	900	_	3	3
CJY686M010#0055 CJD107M010#0045	Y D	68 100	10 10	105 105	68 100	6	55 45	1800 2200	1300	800 1000	_	3	3
CJD107M010#0045	D	100	10	105	100	6	55	2000	1400	900	_	3	3
CJD107M010#0080	D	100	10	105	100	6	80	1700	1200	800	-	3	3
CJY107M010#0025	Υ	100	10	105	100	6	25	2700	1900	1200	_	2	3
CJY107M010#0045	Y	100	10	105	100	6	45	2000	1400	900	_	3	3
CJY107M010#0055 CJD157M010#0025	Y	100 150	10 10	105 105	100 150	6	55 25	1800 3000	1300 2100	800	_	3	3
CJD157M010#0025	D	150	10	105	150	6	40	2400	1700	1100		3	3
CJD157M010#0045	D	150	10	105	150	6	45	2200	1500	1000	_	3	3
CJD157M010#0055	D	150	10	105	150	6	55	2000	1400	900	_	3	3
CJY157M010#0025	Y	150	10	105	150	6	25	2700	1900	1200	_	3	3
CJY157M010#0040 CJY157M010#0045	Y	150 150	10 10	105 105	150 150	6	40 45	2200	1500	1000	_	3	3
CJY157M010#0055	Ý	150	10	105	150	6	55	1800	1300	800	_	3	3
CJD227M010#0012	D	220	10	105	220	6	12	4300	3000	1900	-	3	3
CJD227M010#0015	D	220	10	105	220	6	15	3900	2700	1800	_	3	3
CJD227M010#0025 CJD227M010#0040	D D	220 220	10 10	105 105	220 220	6	25 40	3000 2400	2100 1700	1400		3	3
CJD227M010#0040	D	220	10	105	220	6	50	2100	1500	900	_	3	3
CJY227M010#0015	Y	220	10	85	220	6	15	3500	2500	-	_	5	3
CJY227M010#0025	Υ	220	10	105	220	6	25	2700	1900	1200	_	3	3
CJY227M010#0040	Y	220	10	105	220	6	40	2200	1500	1000		3	3
CJY227M010#0050 CJ5337M010#0035	Y 5	220 330	10 10	105 105	220 330	6 10	50 35	1900 1800	1300	900	_	3 2	3
CJ5337M010#0100	5	330	10	105	330	10	100	1300	900	600	_	2	3
					16 Vol	@ 85°C							
CJA685M016#0200	A	6.8	16	125	10.9	6	200	700	500	300	200	1	3
CJA106M016#0200 CJB106M016#0100	A B	10	16 16	125 125	16 16	6	200 100	700 1100	500 800	300 500	300	1	3
CJB106M016#0200	В	10	16	125	16	6	200	800	600	400	200	1	3
CJT106M016#0100	T	10	16	125	16	6	100	1000	700	500	300	1	3
CJT106M016#0150	T	10	16	125	16	6	150	800	600	400	200	1	3
CJT106M016#0200 CJB156M016#0150	B	10 15	16 16	125	16 24	6	200 150	700 900	500 600	300 400	200	1	3
CJB 156M016#0150	В	22	16	125 125	35.2	6	150	900	600	400	200	1	3
CJY336M016#0045	Y	33	16	105	52.8	6	45	2000	1400	900	-	2	3
CJY336M016#0060	Υ	33	16	105	52.8	6	60	1800	1300	800	-	2	3
CJY336M016#0070	Υ	33	16	105	52.8	6	70	1600	1100	700	_	2	3
CJX476M016#0045 CJX476M016#0070	X	47 47	16 16	105 105	75.2 75.2	6	45 70	2000 1600	1400	900 700		2 2	3
CJY476M016#0045	Y	47	16	105	75.2	6	45	2000	1400	900	_	2	3
CJY476M016#0070	Ý	47	16	105	75.2	6	70	1600	1100	700	_	2	3
CJD686M016#0050	D	68	16	105	108.8	6	50	2100	1500	900	_	2	3
CJY686M016#0050	Y	68	16	105	108.8	6	50	1900	1300	900	_	2	3
CJD107M016#0050 CJE107M016#0040	D E	100	16 16	105 105	160 160	6	50 40	2100 2500	1500 1800	900	_	2 2	3
CJY107M016#0040	Y	100	16	105	160	6	50	1900	1300	900		2	3
CJD157M016#0040	Ď	150	16	85	240	6	40	2400	1700	-	_	5	3
CJD157M016#0050	D	150	16	85	240	6	50	2100	1500	_	_	5	3
CJD157M016#0070	D	150	16	105	240	6	70	1800	1300	800	_	3	3
CJE157M016#0040 CJY157M016#0040	E	150 150	16 16	105 85	240 240	6	40	2500 2200	1800 1500	1100	_	5	3
CJY157M016#0040	Y	150	16	85	240	6	50	1900	1300	_	_	5	3
CJY157M016#0070	Y	150	16	105	240	6	70	1600	1100	700	_	3	3
CJE337M016#0050	E	330	16	105	528	10	50	2200	1500	1000	-	2	3
CJE337M016#0070	E	330	16	105	528	10	70	1900	1300	900	-	2	3



### **Conductive Polymer Solid Electrolytic Chip Capacitors**

AVX	Case	Capacitance	Rated Voltage	Maximum Operating	DCL Max.	DF Max.	ESR Max.	10	00kHz RMS	Current (n	nA)	Product	MS
Part No.	Size	(μ <b>F</b> )	(V)	Temperature (°C)	(μ <b>A</b> )	(%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	IVIS
CJ5337M016#0100	5	330	16	105	528	10	100	1300	900	600		2	3
CJ5477M016#0100	5	470	16	105	752 20 Volt	10 <b>@ 85°C</b>	100	1300	900	600	_	3	3
CJA106M020#0150	Α	10	20	105	20 Voit	6	150	800	600	400	_	3	3
CJB226M020#0090	В	22	20	105	44	6	90	1200	800	500	_	3	3
CJB226M020#0150	В	22	20	105	44	6	150	900	600	400	-	3	3
CJY226M020#0070	Y	22	20	105	44	6	70	1600	1100	700	_	2	3
CJY336M020#0070	Y D	33 47	20	105	66 94	6	70	1600	1100	700	_	2	3
CJD476M020#0055 CJX476M020#0055	X	47	20 20	105 105	94	6	55 55	2000 1800	1400	900	_	3	3
CJX476M020#0033	X	47	20	105	94	6	70	1600	1100	700	_	3	3
CJY476M020#0070	Y	47	20	105	94	6	70	1600	1100	700	_	2	
CJD686M020#0055	D	68	20	105	136	6	55	2000	1400	900	-	3	(
CJE686M020#0045	Е	68	20	105	136	6	45	2400	1700	1100	_	2	(
CJD107M020#0055	D	100	20	105	200	6	55	2000	1400	900	-	3	;
CJE107M020#0045	<u>E</u>	100	20	105	200	6 <b>@ 85°C</b>	45	2400	1700	1100	_	3	(
CJP105M025#0500	Р	1.0	25	105	2.5	6	500	400	300	200	_	1 2	3
CJB475M025#0100	В	4.7	25	105	11.8	6	100	1100	800	500	-	3	-
CJB475M025#0150	В	4.7	25	105	11.8	6	150	900	600	400	_	3	(
CJA685M025#0150	Α	6.8	25	105	17	6	150	800	600	400	_	3	
CJB685M025#0090	В	6.8	25	105	17	6	90	1200	800	500	_	2	(
CJB685M025#0150	B	6.8	25	105	17	6	150	900	600	400	_	3	
CJT685M025#0100 CJT685M025#0150	<u>T</u>	6.8 6.8	25 25	105 105	17 17	6	100	1000	700 600	500 400	<u> </u>	3	
CJA106M025#0150	A	10	25	105	25	6	150	800	600	400	_	3	
CJB106M025#0090	В	10	25	105	25	6	90	1200	800	500	_	2	
CJB106M025#0100	В	10	25	105	25	6	100	1100	800	500	_	2	(
CJB106M025#0150	В	10	25	105	25	6	150	900	600	400	_	2	;
CJB156M025#0100	В	15	25	105	37.5	6	100	1100	800	500	_	2	(
CJB156M025#0150	В	15	25	105	37.5	6	150	900	600	400	_	2	
CJY156M025#0090 CJB226M025#0100	Y B	15	25 25	105 105	37.5	6	100	1400	1000	600 500	_	3	
CJB226M025#0150	В	22 22	25	105	55 55	6	150	900	600	400	_	3	
CJC226M025#0100	C	22	25	105	55	6	100	1300	900	600	_	3	
CJD226M025#0060	D	22	25	105	55	6	60	1900	1300	900	_	2	
CJD226M025#0100	D	22	25	105	55	6	100	1500	1100	700	_	2	
CJY226M025#0070	Υ	22	25	105	55	6	70	1600	1100	700	_	3	(
CJD336M025#0060	D	33	25	105	82.5	6	60	1900	1300	900	_	2	
CJD336M025#0100	D	33	25	105	82.5	6	100	1500	1100	700	_	2	
CJX336M025#0070	X	33	25	105	82.5	6	70	1600	1100	700	_	2	
CJX336M025#0100 CJY336M025#0060	X	33 33	25 25	105 105	82.5 82.5	6	100 60	1300 1800	900	600 800	_	2	
CJY336M025#0070	Y	33	25	105	82.5	6	70	1600	1100	700		2	- (
CJY336M025#0100	Y	33	25	105	82.5	6	100	1400	1000	600	_	2	
CJD476M025#0060	Ď	47	25	105	117.5	6	60	1900	1300	900	_	3	
CJD476M025#0100	D	47	25	105	117.5	6	100	1500	1100	700	_	3	(
CJE476M025#0050	E	47	25	105	117.5	6	50	2200	1500	1000	-	3	;
CJD686M025#0070	D	68	25	105	170	6	70	1800	1300	800	_	2	
CJE686M025#0050	E D	68 100	25 25	105 105	170 250	6	50 55	2200	1500 1400	1000 900	_	3	
CJD107M025#0055 CJD107M025#0070		100	25	105	250	6	70	1800	1300	800	_	2	(
CJE107M025#0070	E	100	25	105	250	6	80	1800	1300	800		2	
						@ 85°C					1		
CJB155M035#0200	В	1.5	35	105	5.3	6	200	800	600	400	_	2	;
CJB225M035#0200	В	2.2	35	105	7.7	6	200	800	600	400		3	
CJB335M035#0200	В	3.3	35	105	11.6	6	200	800	600	400	_	3	;
CJB475M035#0200 CJC475M035#0200	B C	4.7	35 35	105 105	16.5 16.5	6	200	900	600 600	400	_	3	
CJC685M035#0200	C	6.8	35	105	23.8	6	200	900	600	400	_	3	
CJB106M035#0200	В	10	35	105	35	6	200	800	600	400	_	2	
CJC106M035#0200	C	10	35	105	35	6	200	900	600	400	_	3	
CJY106M035#0070	Υ	10	35	105	35	6	70	1600	1100	700	_	2	;
CJB156M035#0200	В	15	35	105	52.5	6	200	800	600	400	_	2	
CJC156M035#0200	C	15	35	105	52.5	6	200	900	600	400	_	3	
CJD156M035#0070	D	15	35	105	52.5	6	70	1800	1300	800		3	
CJD156M035#0100 CJY156M035#0070	D Y	15 15	35 35	105 105	52.5 52.5	6	100 70	1500 1600	1100 1100	700 700	_	3	
CJY156M035#0070	Y	15	35	105	52.5	6	100	1400	1000	600	_	3	
CJD226M035#0070	D	22	35	105	77	6	70	1800	1300	800	_	2	
CJD226M035#0100	D	22	35	105	77	6	100	1500	1100	700	_	2	
CJY226M035#0150	Y	22	35	105	77	6	150	1100	800	500	_	3	
CJD336M035#0070	Ď	33	35	105	115.5	6	70	1800	1300	800	_	2	(
	D	33	35	105	115.5	6	100	1500	1100	700	_	2	(
CJD336M035#0100													
CJD336M035#0100 CJE336M035#0055 CJE336M035#0070	E E	33	35 35	105 105	115.5 115.5	6	55 70	2100 1900	1500 1300	900	-	3	(



### **Conductive Polymer Solid Electrolytic Chip Capacitors**

#### **RATINGS & PART NUMBER REFERENCE**

AVX	Case	Capacitance	Rated	Maximum Operating	DCL Max.	DF Max.	ESR Max.	10	0kHz RMS	nA)	Product	MSL	
Part No.	Size	(μ <b>F</b> )	Voltage (V)	Temperature (°C)	(μΑ)	(%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	IVIOL
						@ 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#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	E	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	E	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	Е	6.8	63	105	42.8	6	100	1600	1100	700	_	3	3
TCJE685M063#0150	Е	6.8	63	105	42.8	6	150	1300	900	600	_	3	3
TCJE106M063#0100	Е	10	63	105	63	6	100	1600	1100	700	_	3	3
TCJE106M063#0150	Е	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
					100 Vol	t @ 85°C							
TCJD475M100#0250	D	4.7	100	105	47	8	250	900	600	400	-	4	3
						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 257.

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						
	Determine	after application of rated	voltage for 2000	Visual examination	no vi	sible dar	nage				
		urs at 85±2°C and then le		DCL	1.25	x initial I	imit				
Endurance	room temp	perature. Also determine a	after application of the for 2000 +48/-0	ΔC/C	withi	n ±20%	of initial	value			
	hours and	then leaving 1-2 hours at	t room temperature.	DF	1.5 x	initial lin	nit				
	Power sup	oply impedance to be $\leq 0$	.1Ω/V.	ESR	2 x initial limit						
				Visual examination	no vi	sible dar	nage				
				DCL	2 x ir	nitial limit	t				
Storage Life	125°C, 0	V, 2000h		ΔC/C	within ±20% of initial value						
				DF	1.5 x	initial lin	nit				
				ESR	2 x ir	nitial limit	t				
				Visual examination	no vi	sible dar	nage				
	Determine after storage without applied voltage at		applied voltage at	DCL	3 x ir	nitial limit	t				
Humidity		nd 95±2% relative hum		ΔC/C	withi	n +30/-2	0% of in	nitial valu	ue		
	and then	recovery 1-2hours at ro	om temperature.	DF	1.5 x	initial lin	nit				
				ESR	2 x ir	nitial limit	t				
	Step	Temperature°C +20+2	Duration(min) 15		+20°C	-55°C	+20°C	+85°C	+125°C	+20°C	
Temperature	2	-55+0/-3	15	DCL	IL*	n/a	IL*	10 x IL*	12.5 x IL*	IL*	
Stability	3 4	+20±2 +85+3/-0	15 15	ΔC/C	n/a	+0/-20%	±5%		+30/-0%		
	5	+125+3/-0 +20±2	15 15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*		IL*	
	0	+20±2	15	Visual examination	+	sible dar		I I I I I			
		perature: 125°C+3/0°C					nage				
Surge		Itage: 1.3x 2/3x rated Discharge resistance: 1		DCL	initial limit						
Voltage	Number of cycles: 1000x Cycle duration: 6 min; 30 sec charge,			ΔC/C		n +10/-2 n +20/-3					
		5 min 30 sec di	DF	1.25	x initial I	imit					

<sup>\*</sup>Initial Limit

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

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

TEST		Condition		Characteristics							
		after application of rated ours at 85±2°C and then I		Visual examination	no vi	sible dar	mage				
	at room te	emperature. Also determin	ne after application	DCL	1.25	x initial I	imit				
Endurance	age for 20	emperature. For CATEGO 00 +48/-0 hours. For CA	TEGORY 3, 4:	ΔC/C	withi	within ±20% of initial value					
		voltage for 2000 +48/-0 2 hours at room tempera		DF	1.5 x initial limit						
		e to be $\leq 0.1\Omega/V$ .		ESR	2 x initial limit						
				Visual examination	no visible damage						
				DCL (V <sub>R</sub> ≤ 75V)	1.25	x initial I	imit				
				DCL (V <sub>R</sub> > 75V)	2 x initial limit						
Storage Life	105°C, (	OV, 2000h		ΔC/C	within ±20% of initial value						
				DF	1.5 x	initial lir	nit				
				ESR	2 x iı	nitial limi	t				
				Visual examination	no vi	sible dar	mage				
		ne after storage with		DCL	3 x initial limit						
Humidity	voltage at 65±2°C and 95±2% relative humidity for 500hrs and then recovery			ΔC/C	withi	n +30/-2	0% of i	nitial valu	ıe		
_		s at room temperatu		DF	1.5 x initial limit						
				ESR	2 x iı	nitial limi	t				
	Step	Temperature°C	Duration(min)		+20°C	-55°C	+20°C	+85°C	+105°C	+20°C	
_	2	+20±2 -55+0/-3	15 15		1						
Temperature	3	-33+0/-3 +20±2	15	DCL	IL*	n/a	IL*	10 x IL*	12.5 x IL*	IL*	
Stability	4	+85+3/-0	15	ΔC/C	n/a	+0/-20%	±5%	+20/-0%	+30/-0%	±5%	
_	5 6	+105+3/-0 +20±2	15 15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*	2 x IL*	IL*	
	, ,	perature: 105°C +3/			<del>                                     </del>		· · · · ·	,			
	For CATE	GORY 2:		Visual examination	no vi	sible dar	mage				
Summa		tage: 1.3x rated voltag GORY 3, 4:	e at 105°C	DCL	initia	l limit					
Surge		tage: 1.3x 0.8x rated v	oltage at 105°C		within +10/-20% of initial value for Vr ≤ within +20/-30% of initial value for Vr ≥				< 10\/		
Voltage	Charge/D	ischarge resistance: 1		ΔC/C							
	Number of cycles: 1000x Cycle duration: 6 min; 30 sec charge, 5 min 30 sec discharge  DF  1.25 x initial					x initial I	imit				

\*Initial Limi

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			Char	acteristic	s		
				Visual examination		ole damag			
		after application of rated urs at 85±2°C and then le		DCL	1.25 x	initial limit			
Endurance		perature. Power supply in		ΔC/C	within:	±20% of i	nitial valu	ıe	
	≤ 0.1Ω/V.	11.7		DF	1.5 x ir	nitial limit			
				ESR	2 x init	ial limit			
				Visual examination		ole damag			
011:6-				DCL	1.25 x	initial limit			
Storage Life	85°C, 0V	, 2000h		ΔC/C	within:	±20% of i	nitial valu	ıe	
				DF	1.5 x ir	nitial limit			
				ESR	2 x init	ial limit			
				Visual examination		ole damag	je		
	Determine	e after storage without a	applied voltage at	DCL	5 x init	ial limit			
Humidity	65±2°C a	nd 95±2% relative hum	idity for 500hrs	ΔC/C	within -	+40/-20%	of initial	value	
	and then	recovery 1-2hours at ro	om temperature.	DF	1.5 x ir	nitial limit			
				ESR	2 x init	ial limit			
	Step 1	Temperature°C +20±2	Duration(min)		+20°C	-55°C	+20°C	+85°C	+20°C
Temperature	2	+20±2 -55+0/-3	15 15	DCL	IL*	n/a	IL*	10 x IL*	IL*
Stability	3	+20±2	15	ΔC/C	n/a	+0/-20%	±5%	+20/-0%	±5%
Otability	<u>4</u> 5	+85+3/-0 +20±2	15 15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*	IL*
			<u> </u>	Visual examination		ole damag		11.0 / 12	
Surge		<u>perature: 85°C+3/0°C</u> Itage: 1.3 x rated volta	ige	DCL	initial li	mit			
Voltage	Number	Discharge resistance: 1 of cycles: 1000x ration: 6 min; 30 sec c	harge,	ΔC/C within +10/-20% of initial value within +20/-30% of initial value					
		5 min 30 sec di		DF	1.25 x	initial limit			

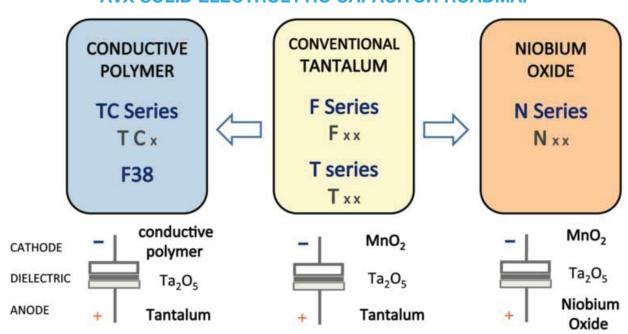
<sup>\*</sup>Initial Limit

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

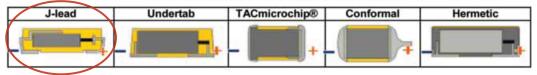


### **Conductive Polymer Solid Electrolytic Chip Capacitors**

#### **AVX SOLID ELECTROLYTIC CAPACITOR ROADMAP**



#### **Five Capacitor Construction Styles**



#### **SERIES LINE UP: CONDUCTIVE POLYMER**

