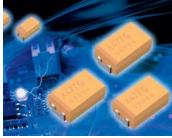
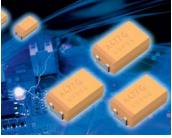


Conductive Polymer Solid Electrolytic Chip Capacitors





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



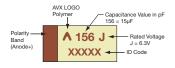


LEAD-FREE COMPATIBLE

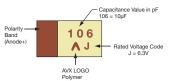
Elektra Award 2010

MARKING

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



N, P, R CASE



CASE DIMENSIONS: millimeters (inches)

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	Code	Metric	(0.008)	-0.10 (0.004)	-0.10 (0.004)	(800.0)	-0.20 (0.008)	S WIII.
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)
Е	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)
T	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)
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)
		\	W1 dimension a	applies to the term	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

004 Rated

DC Voltage 002 = 2.5 Vdc035 = 35 Vdc004 = 4 Vdc050 = 50 Vdc006 = 6.3 Vdc063 = 63 Vdc010 = 10 Vdc075 = 75 Vdc016 = 16 Vdc100 = 100 Vdc

125 = 125 Vdc

020 = 20 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 Ω /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 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.



Conductive Polymer Solid Electrolytic Chip Capacitors

CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

С	ар					Rated Volt	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 (<u>A</u>)	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)	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)					
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) 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*										

Available Ratings, (ESR ratings in mOhms in brackets)
Engineering samples - please contact manufacturer
*Codes under development - subject to change

Note: Voltage ratings are minimum values. AVX reserves the right to supply higher ratings in the same case size, to the same reliability standards.



Conductive Polymer Solid Electrolytic Chip Capacitors

AVV	AVX Case Capacitance Rated Operating DCL DF ESR Max. Max. Max. Max. Max. Max. Max. Max.							Broduct					
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	MSL	45°C	85°C	105°C	125°C	Category
						t @ 85°C							
TCJA686M002#0250	A	68	2.5	105	17	6	250	3	600	400	300	-	3
TCJA107M002#0200 TCJB107M002#0070	A B	100	2.5 2.5	105 125	25 25	6	200 70	3	700 1300	500 900	300 600	300	3
TCJB107M002#0070	В	150	2.5	105	37.5	6	70	3	1300	900	600	300	3
TCJB227M002#0076	В	220	2.5	105	55	8	35	3	1900	1300	900		3
TCJB227M002#0045	В	220	2.5	105	55	8	45	3	1700	1200	800	_	3
TCJB227M002#0070	В	220	2.5	105	55	8	70	3	1300	900	600	_	3
TCJB337M002#0035	В	330	2.5	105	82.5	8	35	3	1900	1300	900	_	3
TCJB337M002#0045	В	330	2.5	105	82.5	8	45	3	1700	1200	800	_	3
TCJB337M002#0070	В	330	2.5	105	82.5	8	70	3	1300	900	600	-	3
TCJY337M002#0025	Υ	330	2.5	105	82.5	6	25	3	2700	1900	1200	_	2
TCJY337M002#0040	Υ	330	2.5	105	82.5	6	40	3	2200	1500	1000	_	3
TCJD477M002#0012	D	470	2.5	105	117.5	6	12	3	4300	3000	1900	_	2
TCJD477M002#0015	D	470	2.5	105	117.5	6	15	3	3900	2700	1800	-	2
TCJD477M002#0025	D D	470 470	2.5 2.5	105 105	117.5 117.5	6	25 40	<u>3</u> 3	3000 2400	2100 1700	1400	_	3
TCJD477M002#0040 TCJD477M002#0050	D	470	2.5	105	117.5	6	50	3	2100	1500	900	_	3
TCJD477M002#0030	Y	470	2.5	85	117.5	6	15	3	3500	2500	900		5
TCJY477M002#0015	Y	470	2.5	105	117.5	6	25	3	2700	1900	1200		3
TCJY477M002#0040	Y	470	2.5	105	117.5	6	40	3	2200	1500	1000	_	3
TCJY477M002#0050	Y	470	2.5	105	117.5	6	50	3	1900	1300	900	_	3
. 501						@ 85°C	, 50	0	, .500		, 550		
TCJA156M004#0300	Α	15	4	125	6	6	300	3	600	400	300	200	1 1
TCJA226M004#0300	A	22	4	125	8.8	6	300	3	600	400	300	200	1
TCJA336M004#0300	A	33	4	125	13.2	6	300	3	600	400	300	200	1
TCJA476M004#0200	Α	47	4	105	18.8	6	200	3	700	500	300	-	3
TCJT476M004#0080	Т	47	4	105	18.8	8	80	3	1100	800	500	_	3
TCJA686M004#0250	Α	68	4	105	27.2	6	250	3	600	400	300	_	3
TCJB686M004#0070	В	68	4	125	27.2	6	70	3	1300	900	600	300	1
TCJT686M004#0080	Т	68	4	105	27.2	8	80	3	1100	800	500	_	3
TCJA107M004#0200	A	100	4	105	40	6	200	3	700	500	300		3
TCJB107M004#0040	В	100	4	105	40	8	40	3	1800	1300	800	-	3
TCJB107M004#0070	В	100	4	125	40	8	70	3	1300	900	600	300	1
TCJG107M004#0300	G T	100	4	105	40 40	10	300 70	3	600 1200	400 800	300	_	3
TCJT107M004#0070 TCJT107M004#0150	+	100	4	105 105	40	8	150	3	800	600	500 400	-	3
TCJB157M004#0170	В	150	4	105	60	6	70	3	1300	900	600		3
TCJD157M004#0016	D	150	4	105	60	6	15	3	3900	2700	1800	_	2
TCJY157M004#0015	Y	150	4	105	60	6	15	3	3500	2500	1600	_	2
TCJY157M004#0025	Ý	150	4	105	60	6	25	3	2700	1900	1200	_	2
TCJY157M004#0045	Ý	150	4	105	60	6	45	3	2000	1400	900	_	3
TCJB227M004#0035	В	220	4	105	88	10	35	3	1900	1300	900	_	3
TCJB227M004#0045	В	220	4	105	88	10	45	3	1700	1200	800	-	3
TCJB227M004#0055	В	220	4	105	88	10	55	3	1500	1100	700	_	3
TCJB227M004#0060	В	220	4	105	88	10	60	3	1400	1000	600	_	3
TCJB227M004#0070	В	220	4	105	88	10	70	3	1300	900	600	_	3
TCJD227M004#0012	D	220	4	105	88	6	12	3	4300	3000	1900	_	2
TCJD227M004#0015	D	220	4	105	88	6	15	3	3900	2700	1800	_	2
TCJD227M004#0025	D	220	4	105	88	6	25	3	3000	2100	1400	-	2
TCJD227M004#0040	D	220	4	105	88	6	40	3	2400	1700	1100	_	2
TCJY227M004#0015	Y	220	4	105	88	6	15	3	3500	2500	1600	-	2
TCJY227M004#0025 TCJY227M004#0040		220	4	105	88	6	25	3	2700	1900	1200	_	2
TCJV227M004#0040 TCJD337M004#0015	D D	220 330	4	105 105	88 132	6	15	<u>3</u> 3	3900	1500 2700	1800	_	2
TCJD337M004#0015	D	330	4	105	132	6	25	3	3000	2100	1400	_	2
TCJD337M004#0025	D	330	4	105	132	6	40	3	2400	1700	1100	_	3
TCJD337M004#0040	D	330	4	105	132	6	50	3	2100	1500	900	_	3
TCJY337M004#0015	Y	330	4	85	132	6	15	3	3500	2500	-	_	5
TCJY337M004#0025	Y	330	4	105	132	6	25	3	2700	1900	1200	-	3
TCJY337M004#0040	Y	330	4	105	132	6	40	3	2200	1500	1000	_	3
TCJY337M004#0050	Υ	330	4	105	132	6	50	3	1900	1300	900	_	3
TCJD477M004#0010	D	470	4	105	188	6	10	3	4700	3300	2100	_	2
TCJD477M004#0012	D	470	4	105	188	6	12	3	4300	3000	1900	-	2
TCJD477M004#0015	D	470	4	105	188	6	15	3	3900	2700	1800		2
TCJD477M004#0025	D	470	4	105	188	6	25	3	3000	2100	1400	_	2
TCJD477M004#0040	D	470	4	105	188	6	40	3	2400	1700	1100	_	2
TCJD477M004#0050	D	470	4	105	188	6	50	3	2100	1500	900		2
TCJY477M004#0015	Y	470	4	85	188	6	15	3	3500	2500	1000	_	5
TCJY477M004#0025	Y	470	4	105	188	6	25	3	2700	1900	1200	-	
	Y	470	4	105	188	6	40	3	2200	1500	1000	-	3
TCJY477M004#0040		470	4	105	188	6 t @ 85°C	50	3	1900	1300	900	_	3
TCJY477M004#0040 TCJY477M004#0050	I												
TCJY477M004#0050		10	6.3	125			300	3	600	400	300	200	1
TCJY477M004#0050 TCJA106M006#0300	А	10	6.3 6.3	125 105	6	6	300	3	600	400	300	200	1 3
TCJY477M004#0050 TCJA106M006#0300 TCJN106M006#0200	A	10	6.3	105	6 6	6	200	3	600	400	300	-	3
TCJY477M004#0050 TCJA106M006#0300	А				6	6							



Conductive Polymer Solid Electrolytic Chip Capacitors

AVX	Case	Capacitance	Rated	Maximum Operating	DCL	DF	ESR Max.		10	0kHz RMS	Current (r	nA)	Product
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	MSL	45°C	85°C	105°C	125°C	Category
TCJA156M006#0300	Α	15	6.3	125	9	6	300	3	600	400	300	200	1
TCJA226M006#0300	A	22	6.3	125	13.2	6	300	3	600	400	300	200	1
TCJK226M006#0400 TCJN226M006#0500	K N	22 22	6.3 6.3	105 105	13.2 13.2	10	400 500	3	500 400	400 300	200	_	3
TCJR226M006#0500	R	22	6.3	105	13.2	10	500	3	400	300	200	_	3
TCJS226M006#0400	S	22	6.3	105	13.2	8	400	3	500	400	200	_	3
TCJT226M006#0150	Ť	22	6.3	105	13.2	6	150	3	800	600	400	-	3
TCJA336M006#0200	Α	33	6.3	105	19.8	6	200	3	700	500	300	_	3
TCJB336M006#0070	В	33	6.3	125	19.8	6	70	3	1300	900	600	300	1
TCJB336M006#0200	B	33	6.3	125	19.8	6 8	200	3	800	600	400	200	1
TCJT336M006#0150 TCJA476M006#0070	A	33 47	6.3 6.3	105 105	19.8 28.2	6	150 70	3	1200	600 800	400 500	_	3
TCJA476M006#0100	A	47	6.3	105	28.2	6	100	3	1000	700	500	_	3
TCJA476M006#0200	A	47	6.3	105	28.2	6	200	3	700	500	300	_	3
TCJB476M006#0070	В	47	6.3	125	28.2	6	70	3	1300	900	600	300	1
TCJK476M006#0150	K	47	6.3	105	28.2	6	150	3	800	600	400	_	3
TCJK476M006#0200	K	47	6.3	105	28.2	6	200	3	700	500	300	_	3
TCJK476M006#0400	K	47	6.3	105	28.2	6	400	3	500	400	200	_	3
TCJP476M006#0500	P R	47 47	6.3	105 105	28.2	10 10	500	3	400	300	200	-	3
TCJR476M006#0500 TCJT476M006#0055	T	47	6.3 6.3	105	28.2 28.2	8	500 55	3	1300	300 900	200 600	_	3
TCJT476M006#0055	Ť	47	6.3	105	20.2	8	69	3	1200	800	500	_	3
TCJT476M006#0009	Ť	47	6.3	105	28.2	8	70	3	1200	800	500	_	3
TCJT476M006#0080	Ť	47	6.3	105	28.2	8	80	3	1100	800	500	_	3
TCJT476M006#0120	Ť	47	6.3	105	28.2	8	120	3	900	600	400	-	3
TCJB686M006#0055	В	68	6.3	125	40.8	8	55	3	1500	1100	700	400	1
TCJB686M006#0070	В	68	6.3	125	40.8	8	70	3	1300	900	600	300	1
TCJC686M006#0100	C	68	6.3	125	40.8	6	100	3	1300	900	600	300	1
TCJT686M006#0200	T	68	6.3	105	40.8	8	200	3	700	500	300	400	3
TCJW686M006#0070 TCJA107M006#0100	W A	68 100	6.3 6.3	125 105	40.8 60	8 10	70 100	3	1400	1000 700	600 500	400	3
TCJA107M006#0100	A	100	6.3	105	60	10	150	3	800	600	400	_	3
TCJB107M006#0040	В	100	6.3	105	60	10	40	3	1800	1300	800	_	3
TCJB107M006#0045	В	100	6.3	105	60	10	45	3	1700	1200	800	_	3
CJB107M006#0055	В	100	6.3	105	60	10	55	3	1500	1100	700	-	3
CJB107M006#0069	В	100	6.3	105	60	10	69	3	1300	900	600	-	3
ГСЈВ107M006#0070	В	100	6.3	105	60	10	70	3	1300	900	600	_	3
TCJT107M006#0070	T	100	6.3	105	60	10	70	3	1200	800	500	_	3
TCJT107M006#0200	T	100	6.3	105	60	10	200	3	700	500	300	_	3
FCJB157M006#0025	B	150 150	6.3 6.3	105 105	90	10	25 35	3	2200 1900	1500	1000	_	3
ГСЈВ157М006#0035 ГСЈВ157М006#0045	В	150	6.3	105	90	10	45	3	1700	1200	800	_	3
TCJB157M006#0045	В	150	6.3	105	90	10	55	3	1500	1100	700	_	3
TCJB157M006#0069	В	150	6.3	105	90	10	69	3	1300	900	600	_	3
TCJB157M006#0070	В	150	6.3	105	90	10	70	3	1300	900	600	-	3
TCJD157M006#0012	D	150	6.3	105	90	6	12	3	4300	3000	1900	_	2
TCJD157M006#0015	D	150	6.3	105	90	6	15	3	3900	2700	1800	-	2
TCJD157M006#0025	D	150	6.3	105	90	6	25	3	3000	2100	1400	_	2
TCJD157M006#0040	D	150	6.3	105	90	6	40	3	2400	1700	1100	_	2
TCJH157M006#0200 TCJW157M006#0040	H W	150 150	6.3 6.3	105 105	90	6	200 40	3	700 1800	500 1300	300 800	_	3
CJW157M006#0040	W	150	6.3	105	90	6	70	3	1400	1000	600	_	3
TCJY157M006#0015	Y	150	6.3	105	90	6	15	3	3500	2500	1600	_	2
TCJY157M006#0025	Ý	150	6.3	105	90	6	25	3	2700	1900	1200	-	2
TCJY157M006#0040	Υ	150	6.3	105	90	6	40	3	2200	1500	1000	-	3
TCJB227M006#0070	В	220	6.3	105	132	10	70	3	1300	900	600	_	3
ГСJB227M006#0200	В	220	6.3	105	132	10	200	3	800	600	400	-	3
TCJD227M006#0012	D	220	6.3	105	132	6	12	3	4300	3000	1900	_	2
TCJD227M006#0015	D	220	6.3	105	132	6	15	3	3900	2700	1800	_	2
TCJD227M006#0025 TCJD227M006#0035	D D	220 220	6.3	105 105	132 132	6	25 35	3	3000 2500	2100 1800	1400	_	3
TCJD227M006#0035	D	220	6.3 6.3	105	132	6	40	3	2400	1700	1100	_	3
TCJD227M006#0050	D	220	6.3	105	132	6	50	3	2100	1500	900	_	3
TCJY227M006#0015	Y	220	6.3	85	132	6	15	3	3500	2500	-	-	5
TCJY227M006#0025	Y	220	6.3	105	132	6	25	3	2700	1900	1200	-	2
TCJY227M006#0035	Υ	220	6.3	105	132	6	35	3	2300	1600	1000	-	2
TCJY227M006#0040	Υ	220	6.3	105	132	6	40	3	2200	1500	1000	-	2
TCJY227M006#0050	Y	220	6.3	105	132	6	50	3	1900	1300	900	_	2
TCJD337M006#0012	D	330	6.3	105	198	6	12	3	4300	3000	1900	_	3
TCJD337M006#0015	D	330	6.3	105	198	6	15	3	3900	2700	1800	_	3
TCJD337M006#0025	D D	330	6.3	105	198	6	25	3	3000	2100	1400	_	3
TCJD337M006#0040 TCJD337M006#0050	D	330 330	6.3 6.3	105 105	198 198	6	40 50	3	2400	1700 1500	900	_	2
TCJY337M006#0050	Y	330	6.3	85	198	12	15	3	3500	2500	900		5
TCJY337M006#0015	Y	330	6.3	105	198	12	25	3	2700	1900	1200	_	3
TCJY337M006#0040	Y	330	6.3	105	198	12	40	3	2200	1500	1000	_	3
				105	198	12	50	3	1900	1300	900		3
	Υ	330	6.3	105	190	12			1900	1000	900	_	
TCJY337M006#0050 TCJX477M006#0050	X	470	6.3	105	282	6	50	3	1900	1300	900	_	3



Conductive Polymer Solid Electrolytic Chip Capacitors

AVX	Case	Capacitance	Rated Voltage	Maximum Operating	DCL Max.	DF Max.	ESR Max.	MSL	10	0kHz RMS	Current (n	nA)	Product
Part No.	Size	(μ F)	(V)	Temperature (°C)	(μA)	(%)	@ 100kHz (mΩ)	IVIOL	45°C	85°C	105°C	125°C	Category
CJX477M006#0100	X	470	6.3	105	282	6	100	3	1300	900	600	_	3
CJK475M010#0300	ΙK	4.7	10	105	4.7	85°C	300	3	500	400	200	I –	3
CJK475M010#0500	K	4.7	10	105	4.7	6	500	3	400	300	200	-	3
CJR475M010#0500	R	4.7	10	105	4.7	6	500	3	400	300	200	-	3
CJA106M010#0200	Α	10	10	125	10	6	200	3	700	500	300	200	1
CJA106M010#0300	A	10	10	125	10	6	300	3	600	400	300	200	1
CJA156M010#0200	A B	15 22	10 10	125 125	<u>15</u> 22	6	200 300	3	700 600	500 400	300	200	1
CJB226M010#0300 CJT226M010#0070	T	22	10	105	22	6	70	3	1200	800	500	200	3
TCJT226M010#0150	Τ̈́	22	10	105	22	6	150	3	800	600	400	_	3
CJB336M010#0070	В	33	10	125	33	6	70	3	1300	900	600	300	1
CJB336M010#0200	В	33	10	125	33	6	200	3	800	600	400	200	1
CJC336M010#0100	Ç	33	10	125	33	6	100	3	1300	900	600	300	1
CJT336M010#0070 CJT336M010#0150	T T	33	10 10	105 105	33 33	6	70 150	3	1200 800	800 600	500 400	_	3
CJB476M010#0070	В	47	10	105	47	6	70	3	1300	900	600	_	3
CJC476M010#0100	C	47	10	125	47	6	100	3	1300	900	600	300	1
CJD686M010#0045	D	68	10	105	68	6	45	3	2200	1500	1000	-	3
CJD686M010#0055	D	68	10	105	68	6	55	3	2000	1400	900	_	3
CJY686M010#0045	Y	68	10	105	68	6	45	3	2000	1400	900	-	3
CJY686M010#0055	Y	68	10	105	68	6	55	3	1800	1300	800	_	3
CJD107M010#0045 CJD107M010#0055	D	100	10 10	105 105	100 100	6	45 55	<u>3</u> 3	2200	1500	1000 900	_	3
CJD107M010#0033	D	100	10	105	100	6	80	3	1700	1200	800	_	3
CJY107M010#0025	Y	100	10	105	100	6	25	3	2700	1900	1200	-	2
ГСЈY107M010#0045	Y	100	10	105	100	6	45	3	2000	1400	900	_	3
ГСJY107M010#0055	Υ	100	10	105	100	6	55	3	1800	1300	800	_	3
CJD157M010#0025	D	150	10	105	150	6	25	3	3000	2100	1400	_	3
CJD157M010#0040	D	150	10	105	150	6	40	3	2400	1700	1100		3
CJD157M010#0045 CJD157M010#0055	D	150 150	10 10	105 105	150 150	6	45 55	<u>3</u> 3	2200	1500	1000 900	_	3
CJV157M010#0055	Y	150	10	105	150	6	25	3	2700	1900	1200	_	3
CJY157M010#0025	Y	150	10	105	150	6	40	3	2200	1500	1000	_	3
CJY157M010#0045	Ϋ́	150	10	105	150	6	45	3	2000	1400	900	_	3
CJY157M010#0055	Υ	150	10	105	150	6	55	3	1800	1300	800	-	3
CJD227M010#0012	D	220	10	105	220	6	12	3	4300	3000	1900	_	3
FCJD227M010#0015	D	220	10	105	220	6	15	3	3900	2700	1800	_	3
CJD227M010#0025 CJD227M010#0040	D	220 220	10 10	105 105	220 220	6	25 40	3	3000 2400	2100 1700	1400	_	3
CJD227M010#0040 CJD227M010#0050	D	220	10	105	220	6	50	3	2100	1500	900	_	3
CJY227M010#0015	Y	220	10	85	220	6	15	3	3500	2500	-	_	5
CJY227M010#0025	Y	220	10	105	220	6	25	3	2700	1900	1200	-	3
CJY227M010#0040	Υ	220	10	105	220	6	40	3	2200	1500	1000	_	3
CJY227M010#0050	Y	220	10	105	220	6	50	3	1900	1300	900	_	3
CJ5337M010#0035 CJ5337M010#0100	5	330	10	105	330	10	35	3	1800	1300	800	_	2
CJ53371VIUTU#UTUU	5	330	10	105	330 16 Vol i	10 t @ 85°C	100	3	1300	900	600	_	2
CJA685M016#0200	Α	6.8	16	125	10.9	6	200	3	700	500	300	200	1
TCJA106M016#0200	Α	10	16	125	16	6	200	3	700	500	300	200	1
CJB106M016#0100	В	10	16	125	16	6	100	3	1100	800	500	300	1
CJB106M016#0200	B	10	16	125	16	6	200	3	800	600	400	200	1
TCJT106M016#0100	T	10	16	125	16	6	100	3	1000	700	500	300	1
CJT106M016#0150 CJT106M016#0200	T	10	16 16	125 125	16 16	6	150 200	3	800 700	600 500	400 300	200	1
CJB156M016#0150	В	15	16	125	24	6	150	3	900	600	400	200	1
ГСЈВ226M016#0150	В	22	16	125	35.2	6	150	3	900	600	400	200	1
TCJY336M016#0045	Υ	33	16	105	52.8	6	45	3	2000	1400	900	_	2
CJY336M016#0060	Y	33	16	105	52.8	6	60	3	1800	1300	800	-	2
FCJY336M016#0070	Y	33	16	105	52.8	6	70	3	1600	1100	700	_	2
FCJX476M016#0045 FCJX476M016#0070	X	47 47	16 16	105 105	75.2 75.2	6	45 70	3	2000 1600	1400	700	_	2
TCJX476M016#0070	Y	47	16	105	75.2	6	45	3	2000	1400	900	_	2
CJY476M016#0070	Y	47	16	105	75.2	6	70	3	1600	1100	700	_	2
CJD686M016#0050	D	68	16	105	108.8	6	50	3	2100	1500	900	_	2
CJY686M016#0050	Υ	68	16	105	108.8	6	50	3	1900	1300	900	_	2
CJD107M016#0050	D	100	16	105	160	6	50	3	2100	1500	900	-	2
CJE107M016#0040	E	100	16	105	160	6	40	3	2500	1800	1100	_	2
CJY107M016#0050 CJD157M016#0040	Y D	100 150	16 16	105 85	160 240	6	50 40	<u>3</u> 3	1900 2400	1300	900	_	5
CJD157M016#0040 CJD157M016#0050	D	150	16	85	240	6	50	3	2100	1500	_	_	5
CJD157M016#0070	D	150	16	105	240	6	70	3	1800	1300	800	_	3
ГСJE157M016#0040	E	150	16	105	240	6	40	3	2500	1800	1100	-	2
TCJY157M016#0040	Υ	150	16	85	240	6	40	3	2200	1500	_	-	5
CJY157M016#0050	Y	150	16	85	240	6	50	3	1900	1300	-	-	5
CJY157M016#0070	Y	150	16	105	240	6	70	3	1600	1100	700	_	3
FC JE337M016#0050	E	330	16	105	528	10	50	3	2200	1500	1000	_	2
TCJE337M016#0070	E	330	16	105	528	10	70	3	1900	1300	900	_	2



Conductive Polymer Solid Electrolytic Chip Capacitors

AVX	Case	Capacitance	Rated	Maximum Operating	DCL	DF	ESR Max.	1401	10	0kHz RMS	Current (r	nA)	Product
Part No.	Size	(µF)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	MSL	45°C	85°C	105°C	125°C	Category
TCJ5337M016#0100	5	330	16	105	528	10	100	3	1300	900	600	-	2
TCJ5477M016#0100	5	470	16	105	752	10	100	3	1300	900	600	_	3
ГСЈА106M020#0150	Α	10	20	105	20 Voit	@ 85°C	150	3	800	600	400	_	3
ГСЈВ226M020#0090	В	22	20	105	44	6	90	3	1200	800	500	_	3
ГСЈВ226M020#0150	В	22	20	105	44	6	150	3	900	600	400	-	3
FCJY226M020#0070	Υ	22	20	105	44	6	70	3	1600	1100	700	_	2
CJY336M020#0070	Υ	33	20	105	66	6	70	3	1600	1100	700	_	2
CJD476M020#0055	D	47	20	105	94	6	55	3	2000	1400	900	_	2
CJX476M020#0055	X	47 47	20	105 105	94 94	6	55 70	3	1800	1300	800 700	_	3
CJX476M020#0070 CJY476M020#0070	Y	47	20	105	94	6	70	3	1600	1100	700		3 2
CJD686M020#0055	D	68	20	105	136	6	55	3	2000	1400	900	_	3
CJE686M020#0045	E	68	20	105	136	6	45	3	2400	1700	1100	_	2
CJD107M020#0055	D	100	20	105	200	6	55	3	2000	1400	900	-	3
CJE107M020#0045	Е	100	20	105	200	6	45	3	2400	1700	1100	_	3
O 1D40EN400E 110E00		1.0	٥٦	105		@ 85°C	F00	0	100	1 000	000		1 0
CJP105M025#0500 CJB475M025#0100	Р	1.0 4.7	25 25	105 105	2.5	6	500 100	3	1100	300 800	200	_	3
CJB475M025#0100 CJB475M025#0150	B B	4.7	25	105	11.8 11.8	6	150	3	900	600	500 400	_	3
CJA685M025#0150	A	6.8	25	105	17	6	150	3	800	600	400	_	3
CJB685M025#0090	В	6.8	25	105	17	6	90	3	1200	800	500	_	2
CJB685M025#0150	В	6.8	25	105	17	6	150	3	900	600	400	-	3
CJT685M025#0100	T	6.8	25	105	17	6	100	3	1000	700	500	-	3
CJT685M025#0150	Т	6.8	25	105	17	6	150	3	800	600	400	-	3
CJA106M025#0150	Α	10	25	105	25	6	150	3	800	600	400	-	3
CJB106M025#0090	В	10	25	105	25	6	90	3	1200	800	500	_	2
CJB106M025#0100	В	10	25	105	25	6	100	3	1100	800	500	_	2
CJB106M025#0150	В	10	25	105	25	6	150	3	900	600	400	_	2
CJB156M025#0100 CJB156M025#0150	B B	15 15	25 25	105 105	37.5 37.5	6	100 150	3	900	800 600	500 400	_	2
CJY156M025#0090	Y	15	25	105	37.5	6	90	3	1400	1000	600		2
CJB226M025#0100	В	22	25	105	55	6	100	3	1100	800	500	_	3
CJB226M025#0150	В	22	25	105	55	6	150	3	900	600	400	_	3
CJC226M025#0100	C	22	25	105	55	6	100	3	1300	900	600	_	3
CJD226M025#0060	D	22	25	105	55	6	60	3	1900	1300	900	-	2
CJD226M025#0100	D	22	25	105	55	6	100	3	1500	1100	700	-	2
CJY226M025#0070	Υ	22	25	105	55	6	70	3	1600	1100	700	-	3
CJD336M025#0060	D	33	25	105	82.5	6	60	3	1900	1300	900	_	2
CJD336M025#0100	D	33	25	105	82.5	6	100	3	1500	1100	700	_	2
CJX336M025#0070	X	33	25	105	82.5	6	70	3	1600	1100	700	_	2
CJX336M025#0100 CJY336M025#0060	X	33 33	25 25	105 105	82.5 82.5	6	100 60	3	1300	900	600 800	_	2
CJY336M025#0070	Y	33	25	105	82.5	6	70	3	1600	1100	700	_	2
CJY336M025#0100	Y	33	25	105	82.5	6	100	3	1400	1000	600	_	2
CJD476M025#0060	Ď	47	25	105	117.5	6	60	3	1900	1300	900	_	3
CJD476M025#0100	D	47	25	105	117.5	6	100	3	1500	1100	700	-	3
CJE476M025#0050	Е	47	25	105	117.5	6	50	3	2200	1500	1000	-	3
CJD686M025#0070	D	68	25	105	170	6	70	3	1800	1300	800	-	2
CJE686M025#0050	Е	68	25	105	170	6	50	3	2200	1500	1000	_	3
CJD107M025#0055	D	100	25	105	250	6	55	3	2000	1400	900	-	2
CJD107M025#0070	D	100	25	105	250	6	70	3	1800	1300	800	_	2
CJE107M025#0080	Е	100	25	105	250 35 Vol t	6 @ 85°C	80	3	1800	1300	800	_	2
CJB155M035#0200	В	1.5	35	105	5.3	6	200	3	800	600	400	-	2
CJB225M035#0200	В	2.2	35	105	7.7	6	200	3	800	600	400	_	3
CJB335M035#0200	В	3.3	35	105	11.6	6	200	3	800	600	400	-	3
CJB475M035#0200	В	4.7	35	105	16.5	6	200	3	800	600	400	_	3
CJC475M035#0200	С	4.7	35	105	16.5	6	200	3	900	600	400	-	3
CJC685M035#0200	С	6.8	35	105	23.8	6	200	3	900	600	400	_	3
CJB106M035#0200	В	10	35	105	35	6	200	3	800	600	400	_	2
CJC106M035#0200	C	10	35	105	35	6	200	3	900	600	400	_	3
CJY106M035#0070 CJB156M035#0200	Y B	10 15	35 35	105 105	35 52.5	6	70 200	3	1600 800	1100 600	700 400	_	2
CJC156M035#0200	C	15	35	105	52.5	6	200	3	900	600	400	_	3
CJD156M035#0200	D	15	35	105	52.5	6	70	3	1800	1300	800	_	3
CJD156M035#0100	D	15	35	105	52.5	6	100	3	1500	1100	700	-	3
CJY156M035#0070	Y	15	35	105	52.5	6	70	3	1600	1100	700	-	3
CJY156M035#0100	Y	15	35	105	52.5	6	100	3	1400	1000	600	-	3
CJD226M035#0070	D	22	35	105	77	6	70	3	1800	1300	800	-	2
CJD226M035#0100	D	22	35	105	77	6	100	3	1500	1100	700	-	2
CJY226M035#0150	Υ	22	35	105	77	6	150	3	1100	800	500	_	3
CJD336M035#0070	D	33	35	105	115.5	6	70	3	1800	1300	800	-	2
CJD336M035#0100	D	33	35	105	115.5	6	100	3	1500	1100	700	_	2
CJE336M035#0055	E	33	35	105	115.5	6	55	3	2100	1500	900	_	3
CJE336M035#0070	E	33	35	105	115.5	6	70	3	1900	1300	900	-	3
CJE476M035#0055	E	47	35	105	164.5	6	55	3	2100	1500	900	_	2



Conductive Polymer Solid Electrolytic Chip Capacitors

RATINGS & PART NUMBER REFERENCE

AVX	Case	Capacitance	Rated	Maximum Operating	DCL	DF	ESR Max.		10	0kHz RMS	Current (n	nA)	Product
Part No.	Size	(μ F)	Voltage (V)	Temperature (°C)	Max. (μΑ)	Max. (%)	@ 100kHz (mΩ)	MSL	45°C	85°C	105°C	125°C	Categor
				· · · · ·	50 Volt	@ 85°C							'
CJB684M050#0400	В	0.68	50	105	3.4	6	400	3	600	400	300	_	3
CJB105M050#0300	В	1.0	50	105	5	6	300	3	600	400	300	_	3
CJB155M050#0300	В	1.5	50	105	7.5	6	300	3	600	400	300	_	3
CJC155M050#0300	С	1.5	50	105	7.5	6	300	3	800	600	400	_	3
CJC225M050#0300	С	2.2	50	105	11	6	300	3	800	600	400	_	3
CJC335M050#0200	С	3.3	50	105	16.5	8	200	3	900	600	400	_	3
CJC475M050#0200	С	4.7	50	105	23.5	8	200	3	900	600	400	_	3
CJC685M050#0200	С	6.8	50	105	34	8	200	3	900	600	400	_	3
CJD685M050#0120	D	6.8	50	105	34	10	120	3	1400	1000	600	_	3
CJD106M050#0120	D	10	50	105	50	10	120	3	1400	1000	600	-	3
CJE106M050#0070	Е	10	50	105	50	6	70	3	1900	1300	900	_	3
CJE106M050#0100	Е	10	50	105	50	6	100	3	1600	1100	700	_	3
CJE156M050#0070	Е	15	50	105	75	6	70	3	1900	1300	900	_	3
CJE156M050#0100	Е	15	50	105	75	6	100	3	1600	1100	700	_	3
				· · · · · ·	63 Volt	@ 85°C							'
CJB474M063#0400	В	0.47	63	105	3	8	400	3	600	400	300	_	3
CJB684M063#0300	В	0.68	63	105	4.3	8	300	3	600	400	300	_	3
CJB105M063#0300	В	1.0	63	105	6.3	8	300	3	600	400	300	_	3
CJC105M063#0300	С	1.0	63	105	6.3	6	300	3	800	600	400	_	3
CJC155M063#0300	С	1.5	63	105	9.5	6	300	3	800	600	400	_	3
CJC225M063#0200	С	2.2	63	105	13.9	6	200	3	900	600	400	_	3
CJC335M063#0200	С	3.3	63	105	20.8	6	200	3	900	600	400	_	3
CJC475M063#0200	С	4.7	63	105	29.6	6	200	3	900	600	400	_	3
CJD475M063#0120	D	4.7	63	105	29.6	6	120	3	1400	1000	600	_	3
CJD685M063#0120	D	6.8	63	105	42.8	6	120	3	1400	1000	600	_	3
CJE685M063#0100	Е	6.8	63	105	42.8	6	100	3	1600	1100	700	_	3
CJE685M063#0150	Е	6.8	63	105	42.8	6	150	3	1300	900	600	_	3
CJE106M063#0100	Е	10	63	105	63	6	100	3	1600	1100	700	_	3
CJE106M063#0150	Е	10	63	105	63	6	150	3	1300	900	600	_	3
					75 Volt	@ 85°C							'
CJD475M075#0150	D	4.7	75	105	35.3	6	150	3	1200	800	500	_	3
CJD685M075#0120	D	6.8	75	105	51	6	120	3	1400	1000	600	-	3
					100 Vol	t @ 85°C				•		•	
CJD475M100#0250	D	4.7	100	105	47	8	250	3	900	600	400	_	4
					125 Vol	t @ 85°C							
CJD335M125#0250	D	3.3	125	105	41.2	8	250	3	900	600	400	_	4

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 223.

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

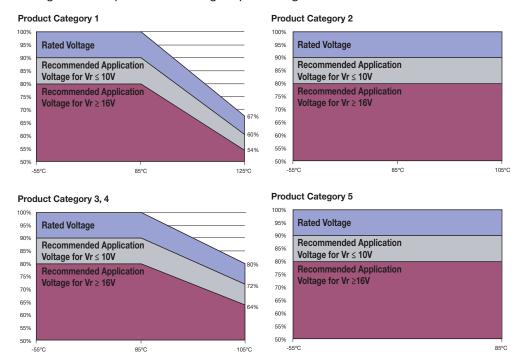




Conductive Polymer Solid Electrolytic Chip Capacitors

RECOMMENDED DERATING FACTOR

Voltage and temperature derating as percentage of Vr



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

TEST		Condition			Ch	aracteris	stics					
	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 li	imit					
Endurance		perature. Also determine a pperature, 2/3 rated voltad		ΔC/C	withi	n ±20%	of initia	l value				
		then leaving 1-2 hours at		DF 1.5 x initial limit								
	Power sup	oply impedance to be ≤ 0 .	1Ω/V.	ESR	2 x ir	2 x initial limit						
				Visual examination	no vi	sible dar	nage					
				DCL	2 x initial limit							
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	:					
				Visual examination	no vi	sible dar	nage					
	Determine	e after storage without a	applied voltage at	DCL	3 x ir	nitial limit	İ					
Humidity		nd 95±2% relative hum		ΔC/C	withi	n +30/-2	0% of i	nitial valu	ue			
	and then	recovery 1-2hours at ro	om temperature.	DF	1.5 x initial limit							
				ESR	2 x initial limit							
	Step	Temperature°C +20±2	Duration(min)		+20°C	-55°C	+20°C	+85°C	+125°C	+20°C		
Temperature	2	-55+0/-3	15 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	15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*		IL*		
	6	+20±2	15					1.5 X IL	ZXIL	-		
		perature: 125°C+3/0°C		Visual examination	no vi	sible dar	nage					
Surge		Itage: 1.3x 2/3x rated v Discharge resistance: 1		DCL	initia	l limit						
Voltage	Number	of cycles: 1000x ration: 6 min; 30 sec c	ΔC/C		n +10/-20 n +20/-30							
		5 min 30 sec di	scharge	DF	1.25	x initial li	imit					

*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			Ch	aracteri	stics					
		after application of rated		Visual examination	no vi	sible dar	mage					
	at room te	ours at 85±2°C and then I emperature. Also determin	ne after application	DCL	1.25	x initial I	imit					
Endurance		emperature. For CATEGO 00 +48/-0 hours. For CATEGO		ΔC/C	withi	n ±20%	of initia	l value				
	0.8x rated	voltage for 2000 +48/-0 2 hours at room temperate	hours And then	DF	1.5 x	1.5 x initial limit						
		e to be $\leq 0.1\Omega/V$.	ture. Fower Supply	ESR	2 x initial limit							
				Visual examination		sible dar						
				DCL (V _R ≤ 75V)	1.25	x initial I	imit					
				DCL ($V_R > 75V$)	2 x initial limit							
Storage Life	105°C, 0	OV, 2000h		ΔC/C	withi	n ±20%	of initia	l value				
				DF	1.5 x	initial lir	nit					
				ESR	2 x ir	nitial limi	t					
				Visual examination	no vi	sible dar	nage					
	Determine after storage without applied			DCL	3 x initial limit							
Humidity		at 65±2°C and 95±29		ΔC/C	-			nitial valu	IE .			
riammanty		for 500hrs and then		DF	1.5 x initial limit							
	1-2 hour	rs at room temperatu	re.	ESR	2 x initial limit							
	Step	Temperature°C	Duration(min)					0500	40500	0000		
	1	+20±2	15 `		+20°C	-55°C	+20°C	+85°C	+105°C	+20°C		
Temperature	2	-55+0/-3 +20±2	15 15	DCL	IL*	n/a	IL*	10 x IL*	12.5 x IL*	IL*		
Stability	4	+20±2 +85+3/-0	15	ΔC/C	n/a	+0/-20%	±5%	. 20/ 00/	+30/-0%	±5%		
Stability	5	+105+3/-0	15					+20/-0%	+30/-0%			
	6	+20±2	15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*	2 x IL*	IL*		
	Test tem	perature: 105°C +3/0	0°C	Visual examination	no vi	sible dar	nage					
		tage: 1.3x rated voltag	e at 105°C	DOI	11a1	I. Daniela						
Surge	For CATE	GORY 3, 4:		DCL		l limit						
Voltage	Charge/D	tage: 1.3x 0.8x rated v ischarge resistance: 10		ΔC/C				nitial valu nitial valu				
		of cycles: 1000x ration: 6 min; 30 sec ch 5 min 30 sec di		DF	1.25	x initial I	imit					

*Initial Limit

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

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

TEST		Condition			Char	acteristic	s					
				Visual examination	no visik	ole damaç	ge					
		after application of rated urs at 85±2°C and then le		DCL	1.25 x	initial limit						
Endurance		oerature. Power supply in		ΔC/C	within :	±20% of i	nitial valu	ıe				
	≤ 0.1Ω/V.			DF	1.5 x ir	itial limit						
				ESR	2 x initi	2 x initial limit						
				Visual examination	no visible damage							
011:6-				DCL	1.25 x initial limit							
Storage Life	85°C, 0V	, 2000h		ΔC/C	within ±20% of initial value							
				DF	1.5 x ir	itial limit						
				ESR	2 x initi	al limit						
				Visual examination		ole damaç	je					
	Determine	e after storage without a	applied voltage at	DCL	5 x initial 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	itial limit						
				ESR	2 x initi	al limit						
	Step	Temperature°C +20±2	Duration(min) 15		+20°C	-55°C	+20°C	+85°C	+20°C			
Temperature	2	-55+0/-3	15	DCL	IL*	n/a	IL*	10 x IL*	IL*			
Stability	3 4	+20±2 +85+3/-0	15 15	ΔC/C	n/a	+0/-20%	±5%	+20/-0%	±5%			
	5	+85+3/-0 +20±2	15	DF .	IL*	1.5 x IL*	IL*	1.5 x IL*	IL*			
			'	Visual examination		ole damaç		110 X IL				
Surge	Surge vo	<u>oerature: 85°C+3/0°C</u> Itage: 1.3 x rated volta		DCL	initial li	mit						
Voltage	Number of	Discharge resistance: 1 of cycles: 1000x ration: 6 min; 30 sec c	harge,	ΔC/C				value for 'value for '				
		5 min 30 sec di	scharge	DF	1.25 x	initial limit						

*Initial Limit

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