Conductive Polymer Solid Electrolytic Chip Capacitors







FEATURES

- Conductive Polymer Electrode
- Lower ESR
- 3x reflow cycles according to J-STD-020
- 100% Surge Current Tested
- CV Range: 0.47-680µF / 2.5-125V
- 17 Case Sizes Available

APPLICATIONS

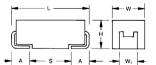
· Smart Phone, Tablets, Notebook, LCD TV, Power Supplies









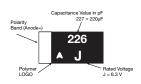


MARKING

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



N, P, R CASE



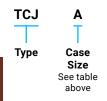
CASE DIMENSIONS:

millimeters (inches)

Code	EIA Code	EIA Metric	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H+0.20 (0.008) -0.10 (0.004)	W ₁ ±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
Α	1206	3216-18	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
В	1210	3528-21	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
С	2312	6032-28	6.00 (0.236)	3.20 (0.126)	2.60 (0.102)	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
D	2917	7343-31	7.30 (0.287)	4.30 (0.169)	2.90 (0.114)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
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)
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 (0.20)	0.85 (0.033)
Р	0805	2012-15	2.05 (0.081)	1.35 (0.053)	1.50 (0.059) max	1.00±0.10 (0.039±0.004)	0.50 (0.020)	0.85 (0.033)
R	0805	2012-12	2.05 (0.081)	1.30 (0.051)	1.20 (0.047) max.	1.00 ± 0.10 (0.039 ± 0.004)	0.50 (0.020)	0.85 (0.033)
S	1206	3216-12	3.20 (0.126)	1.60 (0.063)	1.20 (0.047) max	1.20 (0.047)	0.80 (0.031)	1.10 (0.043)
Т	1210	3528-12	3.50 (0.138)	2.80 (0.110)	1.20 (0.047) max	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
U	2924	7361-43	7.30 (0.287)	6.10 (0.240)	4.10 (0.162)	3.10 (0.122)	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 applies to the termination width for A dimensional area only.

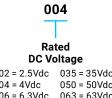
HOW TO ORDER





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002 = 2.5 Vdc035 = 35Vdc 004 = 4Vdc 050 = 50Vdc 006 = 6.3 Vdc063 = 63Vdc 010 = 10 Vdc075 = 75Vdc 016 = 16Vdc 100 = 100Vdc 020 = 20Vdc 125 = 125Vdc 025 = 25 Vdc

0300 R **Packaging** ESR in mΩ R = Leadfree 7" Reel S = Leadfree 13" Reel

Ε Additional Character

E = Black resin (It is possible to order PN without "E" as identical product)

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
Resistance to soldering heat:	3x reflow cycles according to J-STD-020

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 KYOCERA 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 Voltage	DC (V _R) 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)	B(300) C(300)	C(200)			
3.3	335								A(500) B(200)	B(300) C(200)	C(200)			D(250)
4.7	475				K(300,500) R(500)			A(500) B(100,150)	B(150,200) C(200)	C(200) X(250) Y(250)	C(200) D(120)	D(150)	D(250)	
6.8	685					A(200)	A(150), B(150)	A(150) B(90,150) T(100,150)	C(200) T(150)	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) B(100,150)	A(150) B(90,100,150) T(100)	B(150,200) C(200) Y(70)	D(90,120) E(70,100)	E(100,150)			
15	156		A(300)	A(300)	A(200) B(100,200)	A(250), B(90,150)	B(90,150)	B(100,150) Y(90)	B(200) C(200) D(70,100) Y(70,100)	D(150) E(70,100)	E(150)			
22	226		A(300)	A(300), B(70), K(400) S(400),T(150)	A(250), B(70,300) T(70,150)	A(300) B(70,150)	B(90,150) X(100) Y(70)	B(100,150) C(100) D(60,100) X(100), Y(70)	D(70,100) Y(150)	D(90), E(75), E(150)				
33	336		A(300)	A(200) B(70,200) T(150)	A(250), B(70,200) C(100) T(70,150)	A(200),B(90,150) H(150) Y(45,60,70)	X(100) Y(70)	D(60,100) X(70,100) Y(40,60,70,100)	D(70,100) E(55,70) U(70) Y(100)					
47	476		A(200) T(80)	A(70,100,200) B(55,70) T(55,70,80,120)	B(70) C(100) H(100)	D(45,70), H(150) X(45,70) Y(45,70)	D(55), X(55,70) Y(70)	D(60,100) E(50) Y(100)	E(55) U(70) Y(100)					
68	686	A(250)	A(250) B(70) T(80)	B(55,70) C(55,100), H(100) T(200), W(70)	D(45,55) Y(45,55)	D(50) Y(50)	D(55) E(45) Y(50)	D(70) E(50) Y(100)						
100	107	A(200) B(55,70)	A(200) B(40,70) T(70,150)	A(100,150) B(40,45,55,70) C(70,100) T(200), W(70)	D(18,25,45,55,80) Y(18,25,45,55)	D(50) E(40) Y(50)	C(70) D(55) E(45) Y(55)	D(55,70) E(40,60,80) U(70)						
150	157	B(70)	B(70) D(15) Y(15,25,45)	B(35,45,55,70) D(12,15,25,40) H(70,200),W(70) Y(15,25,40)	D(25,40,45,55) Y(25,40,45,55)	C(70) D(40,50,70) E(25,40) Y(40,50,70)	E(50)	U(70)	U(100)					
220	227	B(35,45,70)	B(35,45,60,70) D(12,15,25,40) Y(15,25,40)	B(70,200) D(12,15,25,35,40,50) H(170) Y(15,18,25,35,40,50)	D(15,25,40,50) Y(15,25,40,50)	D(35,50) E(50)	U(70)							
330	337	B(35,45,70,Y) (25,40)	D(15,25,40,50) Y(15,25,40,50)	D(12,15,18,25,40,50) Y(15,25,40,50)	D(25) E(25, 50) 5(35,100)	E(35, 50,70), U(50,70), 5(100)								
470	477	D(12,15,25,40,50) Y(15,25,40,50)	D(12,15,25,40,50) Y(15,25,40,50)	D(25, 45) E(25, 50) X(35,50,100)	E(25, 50)	5(100)								
680	687			E(25, 50)										

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

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





	Case	Capacitance	Rated	Maximum Operating	DCL Max.	DF Max.	ESR Max.	10	00kHz RMS	Current (m	nA)	Product	
Part Number	Size	(μF)	Voltage (V)	Temperature (°C)	(μA)	(%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	MS
				(0)	2.5	5 Volt							
CJA686M002#0250E	A	68	2.5	105	17	6	250	600	400	300	_	3	3
CJA107M002#0200E	Α	100	2.5	105	25	6	200	700	500	300	-	3	3
CJB107M002#0055E	В	100	2.5	125	25	6	55	1500	1100	700	400	0	3
CJB107M002#0070E	В	100	2.5	125	25	6	70	1300	900	600	300	1	3
CJB157M002#0070E	В	150	2.5	105	37.5	6	70	1300	900	600	-	3	3
CJB227M002#0035E	В	220	2.5	105	55	8	35	1900	1300	900	-	3	3
CJB227M002#0045E	В	220	2.5	105	55	8	45	1700	1200	800	-	3	3
CJB227M002#0070E	В	220	2.5	105	55	8	70	1300	900	600	-	3	3
CJB337M002#0035E	В	330	2.5	105	82.5	8	35	1900	1300	900	-	3	3
CJB337M002#0045E	В	330	2.5	105	82.5	8	45	1700	1200	800	-	3	3
CJB337M002#0070E CJY337M002#0025E	B Y	330 330	2.5 2.5	105 105	82.5 82.5	8	70 25	1300 2700	900 1900	600 1200	-	2	3
CJY337M002#0025E	Y	330	2.5	105	82.5	6	40	2200	1500	1000		3	3
CJD477M002#0040E	D	470	2.5	105	117.5	6	12	4300	3000	1900	_	2	3
CJD477M002#0012E	D	470	2.5	105	117.5	6	15	3900	2700	1800	-	2	3
CJD477M002#0025E	D	470	2.5	105	117.5	6	25	3000	2100	1400	-	2	3
CJD477M002#0040E	D	470	2.5	105	117.5	6	40	2400	1700	1100	-	3	3
CJD477M002#0050E	D	470	2.5	105	117.5	6	50	2100	1500	900	-	3	3
CJY477M002#0015E	Y	470	2.5	85	117.5	6	15	3500	2500	-	-	5	3
CJY477M002#0025E	Υ	470	2.5	105	117.5	6	25	2700	1900	1200	-	3	3
CJY477M002#0040E	Υ	470	2.5	105	117.5	6	40	2200	1500	1000	-	3	3
CJY477M002#0050E	Υ	470	2.5	105	117.5	6	50	1900	1300	900	-	3	3
					4	Volt							
CJA156M004#0300E	Α	15	4	125	6	6	300	600	400	300	200	1	3
CJA226M004#0300E	Α	22	4	125	8.8	6	300	600	400	300	200	1	3
CJA336M004#0300E	Α	33	4	125	13.2	6	300	600	400	300	200	1	3
CJA476M004#0200E	A	47	4	105	18.8	6	200	700	500	300	-	3	3
CJT476M004#0080E	T	47	4	105	18.8	8	80	1100	800	500	-	3	3
CJA686M004#0250E	A	68	4	105	27.2	6	250	600	400	300	-	3	3
CJB686M004#0070E	В	68	4	125	27.2 27.2	6	70 80	1300 1100	900 800	600 500	300	3	3
CJT686M004#0080E CJA107M004#0200E	T A	68 100	4	105 105	40	8 6	200	700	500	300	_	3	3
CJB107M004#0200E	В	100	4	105	40	8	40	1800	1300	800		3	3
CJB107M004#0040E	В	100	4	125	40	8	70	1300	900	600	300	0	3
CJT107M004#0070E	T	100	4	105	40	8	70	1200	800	500	-	3	3
CJT107M004#0070E	Ť	100	4	105	40	8	150	800	600	400	-	3	3
CJB157M004#0070E	В	150	4	105	60	6	70	1300	900	600	-	3	3
CJD157M004#0015E	D	150	4	105	60	6	15	3900	2700	1800	-	2	3
CJY157M004#0015E	Υ	150	4	105	60	6	15	3500	2500	1600	-	2	3
CJY157M004#0025E	Υ	150	4	105	60	6	25	2700	1900	1200	-	2	3
CJY157M004#0045E	Υ	150	4	105	60	6	45	2000	1400	900	-	3	3
CJB227M004#0035E	В	220	4	105	88	10	35	1900	1300	900	-	3	3
CJB227M004#0045E	В	220	4	105	88	10	45	1700	1200	800	-	3	3
CJB227M004#0060E	В	220	4	105	88	10	60	1400	1000	600	-	3	3
CJB227M004#0070E	B D	220	4	105	88	10	70	1300	900	600	-	3 2	3
CJD227M004#0012E CJD227M004#0015E	D	220 220	4	105 105	88 88	6	12 15	4300 3900	3000 2700	1900 1800	-	2	3
CJD227M004#0015E	D	220	4	105	88	6	25	3000	2100	1400	_	2	3
CJD227M004#0025E	D	220	4	105	88	6	40	2400	1700	1100	_	2	3
CJY227M004#0040E	Y	220	4	105	88	6	15	3500	2500	1600	-	2	3
CJY227M004#0015E	Ý	220	4	105	88	6	25	2700	1900	1200	-	2	3
CJY227M004#0040E	Ý	220	4	105	88	6	40	2200	1500	1000	-	3	3
CJD337M004#0015E	D	330	4	105	132	6	15	3900	2700	1800	-	2	3
CJD337M004#0025E	D	330	4	105	132	6	25	3000	2100	1400	-	2	3
CJD337M004#0040E	D	330	4	105	132	6	40	2400	1700	1100	-	3	3
CJD337M004#0050E	D	330	4	105	132	6	50	2100	1500	900	_	3	
CJY337M004#0015E	Υ	330	4	85	132	6	15	3500	2500	-	-	5	3
CJY337M004#0025E	Y	330	4	105	132	6	25	2700	1900	1200	-	3	3
CJY337M004#0040E	Y	330	4	105	132	6	40	2200	1500	1000	-	3	3
CJY337M004#0050E	Y	330	4	105	132	6	50	1900	1300	900	-	3	3
CJD477M004#0012E	D	470	4	105	188	6	12	4300	3000	1900	-	2	3
CJD477M004#0015E CJD477M004#0025E	D D	470 470	4	105 105	188 188	6	15 25	3900 3000	2700 2100	1800 1400	-	2 2	3
CJD477M004#0025E	D	470	4	105	188	6	40	2400	1700	1100	_	2	3
CJD477M004#0040E	D	470	4	105	188	6	50	2100	1500	900	_	2	3
CJY477M004#0030L	Y	470	4	85	188	6	15	3500	2500	-	-	5	3
CJY477M004#0015E	Y	470	4	105	188	6	25	2700	1900	1200	-	3	3
CJY477M004#0040E	Ý	470	4	105	188	6	40	2200	1500	1000	-	3	3
CJY477M004#0050E	Y	470	4	105	188	6	50	1900	1300	900	-	3	3
						3 Volt							
CJA106M006#0300E	A	10	6.3	125	6	6	300	600	400	300	200	1	3
CJN106M006#0200E	N	10	6.3	125	6	6	200	200	600	300	-	3	3
CJN106M006#0250E	N	10	6.3	125	6	6	250	250	600	300	-	3	3
CJN106M006#0500E	N	10	6.3	125	6	6	500	500	400	200	-	3	3
CJR106M006#0500E	R	10	6.3	125	6	6	500	500	400	200	-	3	3
CJA156M006#0300E	Α	15	6.3	125	9	6	300	600	400	300	200	1	3
CJA226M006#0300E	Α	22	6.3	125	13.2	6	300	600	400	300	200	1	3
CJB226M006#0070E	В	22	6.3	125	13.2	6	70	1300	900	600	300	0	3
	K	22	6.3	105	13.2	8	400	500	400	200	_	3	1 3
CJK226M006#0400E CJS226M006#0400E	S	22	6.3	105	13.2	8	400	500	400	200	_	3	3





Down N. J.	Case	Capacitance	Rated	Maximum Operating	DCL Max.	DF Max.	ESR Max.	10	OkHz RMS	Current (m	1A)	Product	
Part Number	Size	(μF)	Voltage (V)	Temperature (°C)	(μA)	(%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	MS
CJA336M006#0200E	Α	33	6.3	105	19.8	6	200	700	500	300	-	3	3
CJB336M006#0070E	В	33	6.3	125	19.8	6	70	1300	900	600	300	0	3
CJB336M006#0200E CJT336M006#0150E	B	33	6.3	125	19.8	6	200	800	600	400	200	0	3
	T	33	6.3	105	19.8 28.2	8	150	800	600 800	400	-	3	3
CJA476M006#0070E CJA476M006#0100E	A	47 47	6.3 6.3	105 105	28.2	6	70 100	1200 1000	700	500 500	_	3	3
CJA476M006#0200E	A	47	6.3	105	28.2	6	200	700	500	300	_	3	3
CJB476M006#0055E	В	47	6.3	105	28.2	6	55	1500	1100	700	_	2	3
CJB476M006#0070E	В	47	6.3	125	28.2	6	70	1300	900	600	300	0	3
CJT476M006#0055E	Т	47	6.3	105	28.2	8	55	1300	900	600	-	3	3
CJT476M006#0070E	Т	47	6.3	105	28.2	8	70	1200	800	500	-	3	3
CJT476M006#0080E	T	47	6.3	105	28.2	8	80	1100	800	500	-	3	3
CJT476M006#0120E	T	47	6.3	105	28.2	8	120	900	600	400	-	3	
CJB686M006#0055E CJB686M006#0070E	B B	68 68	6.3	125 125	40.8 40.8	8	55 70	1500 1300	1100 900	700 600	400 300	0	;
CJC686M006#0070E	С	68	6.3	125	40.8	6	55	1800	1300	800	500	1	
CJC686M006#0100E	C	68	6.3	125	40.8	6	100	1300	900	600	300	1	
CJH686M006#0100E	H	68	6.3	105	40.8	6	100	1000	700	500	-	3	:
CJT686M006#0200E	T	68	6.3	105	40.8	8	200	700	500	300	-	3	
CJW686M006#0070E	W	68	6.3	125	40.8	8	70	1400	1000	600	400	1	;
CJA107M006#0100E	Α	100	6.3	105	60	10	100	1000	700	500	-	3	;
CJA107M006#0150E	Α	100	6.3	105	60	10	150	800	600	400	-	3	;
CJB107M006#0040E	В	100	6.3	105	60	10	40	1800	1300	800	-	3	
CJB107M006#0045E	В	100	6.3	105	60	10	45	1700	1200	800	-	3	;
CJB107M006#0055E CJB107M006#0070E	B B	100 100	6.3	105 105	60	10 10	55 70	1500 1300	1100 900	700 600	-	3	;
CJC107M006#0070E	С	100	6.3	105	60	6	70	1600	1100	700	_	3	
CJC107M006#0100E	C	100	6.3	105	60	6	100	1300	900	600	-	3	
CJT107M006#0200E	T	100	6.3	105	60	10	200	700	500	300	-	3	
JW107M006#0070E	W	100	6.3	105	60	6	70	1400	1000	600	-	3	
CJB157M006#0035E	В	150	6.3	105	90	10	35	1900	1300	900	-	3	;
CJB157M006#0045E	В	150	6.3	105	90	10	45	1700	1200	800	-	3	;
CJB157M006#0055E	В	150	6.3	105	90	10	55	1500	1100	700	-	3	
CJB157M006#0070E	В	150	6.3	105	90	10	70	1300	900	600	-	3	
CJD157M006#0012E CJD157M006#0015E	D D	150 150	6.3	105 105	90	6	12 15	4300 3900	3000 2700	1900 1800	-	2	:
CJD157M006#0015E	D	150	6.3 6.3	105	90	6	25	3900	2100	1400	_	2	
CJD157M006#0025E	D	150	6.3	105	90	6	40	2400	1700	1100	_	2	
CJH157M006#0070E	Н	150	6.3	105	90	6	70	1200	800	500	-	3	
CJH157M006#0200E	Н	150	6.3	105	90	6	200	700	500	300	-	3	;
CJW157M006#0070E	W	150	6.3	105	90	6	70	1400	1000	600	-	3	;
CJY157M006#0015E	Υ	150	6.3	105	90	6	15	3500	2500	1600	-	2	
CJY157M006#0025E	Y	150	6.3	105	90	6	25	2700	1900	1200	-	2	
CJY157M006#0040E	Y	150	6.3	105	90	6	40	2200	1500	1000	-	3	;
CJB227M006#0070E CJB227M006#0200E	B B	220 220	6.3	105 105	132 132	10 10	70 200	1300 800	900 600	600 400	-	3	
CJD227M006#0200E	D	220	6.3	105	132	6	12	4300	3000	1900	-	2	
CJD227M006#0015E	D	220	6.3	105	132	6	15	3900	2700	1800	_	2	
CJD227M006#0025E	D	220	6.3	105	132	6	25	3000	2100	1400	-	2	
CJD227M006#0035E	D	220	6.3	105	132	6	35	2500	1800	1100	-	3	:
CJD227M006#0040E	D	220	6.3	105	132	6	40	2400	1700	1100	-	3	- :
CJD227M006#0050E	D	220	6.3	105	132	6	50	2100	1500	900	-	3	
CJH227M006#0170E	H	220	6.3	105	132	10	170	800	600	400	-	3	
CJY227M006#0015E	Y	220	6.3	85	132	6	15	3500	2500	1400	-	5	
CJY227M006#0018E	Y	220 220	6.3	105 105	132	6	18 25	3200 2700	2200 1900	1400 1200	-	3 2	
CJY227M006#0025E CJY227M006#0035E	Y	220	6.3	105 105	132 132	6	35	2300	1600	1000	-	2	
CJY227M006#0033E	Y	220	6.3	105	132	6	40	2200	1500	1000	-	2	
CJY227M006#0050E	Y	220	6.3	105	132	6	50	1900	1300	900	-	2	
CJD337M006#0012E	D	330	6.3	105	198	6	12	4300	3000	1900	-	3	
CJD337M006#0015E	D	330	6.3	105	198	6	15	3900	2700	1800	-	3	
CJD337M006#0018E	D	330	6.3	105	198	6	18	3500	2500	1600	-	3	
CJD337M006#0025E CJD337M006#0040E	D	330	6.3	105	198	6	25	3000	2100	1400	-	3	
CJD337M006#0040E	D D	330 330	6.3	105 105	198 198	6	40 50	2400 2100	1700 1500	1100 900	-	2	
CJY337M006#0030E	Y	330	6.3	85	198	12	15	3500	2500	900	-	5	
CJY337M006#0015E	Y	330	6.3	105	198	10	25	2700	1900	1200	-	3	
CJY337M006#0040E	Y	330	6.3	105	198	12	40	2200	1500	1000	-	3	
CJY337M006#0050E	Υ	330	6.3	105	198	12	50	1900	1300	900	-	3	
CJD477M006#0025E	D	470	6.3	105	282	6	25	3000	2100	1400	-	2	
CJD477M006#0045E	D	470	6.3	105	282	6	45	2200	1500	1000	000	2	
CJE477M006#0025E	E	470	6.3	125	296.1	10	25	3200	2200	1400	800	0	;
CJE477M006#0050E CJX477M006#0035E	X	470 470	6.3	125 105	296.1 282	10 6	50 35	2200 2200	1500 1500	1000 1000	600	3	
CJX477M006#0035E	X	470	6.3	105	282	6	35 50	1900	1300	900	-	3	
CJX477M006#0050E	X	470	6.3	105	282	6	100	1300	900	600	_	3	
CJE687M006#0025E	E	680	6.3	125	428.4	10	25	3200	2200	1400	800	0	
CJE687M006#0050E	E	630	6.3	125	428.4	10	50	2200	1500	1000	600	0	
						Volt							
CJK475M010#0300E	K	4.7	10	105	4.7	6	300	500	400	200	_	3	;
	K	4.7	10	105	4.7	6	500	400	300	200	-	3	
CJK475M010#0500E	R											3	





	Case	Capacitance	Rated	Maximum Operating	DCL Max.	DF Max.	ESR Max.	10	0kHz RMS	Current (m	nA)	Product	
Part Number	Size	(μF)	Voltage (V)	Temperature (°C)	(μA)	(%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	MS
CJA106M010#0300E	Α	10	10	125	10	6	300	600	400	300	200	1	3
CJA156M010#0200E	A	15	10	125	15	6	200	700	500	300	200	1	3
CJB156M010#0100E	В	15	10 10	125	15	6	100	1100 800	800 600	500 400	300 200	0	3
CJB156M010#0200E CJA226M010#0250E	B A	15 22	10	125 125	15 22	6 8	200 250	600	400	300	200	0	3
CJB226M010#0250E	B	22	10	125	22	6	70	1300	900	600	300	0	3
CJB226M010#0070E	В	22	10	125	22	6	300	600	400	300	200	0	3
CJT226M010#0070E	T	22	10	105	22	6	70	1200	800	500	-	3	3
CJT226M010#0150E	T	22	10	105	22	6	150	800	600	400	-	3	3
CJA336M010#0250E	Α	33	10	125	33	8	250	600	400	300	200	1	3
CJB336M010#0070E	В	33	10	125	33	6	70	1300	900	600	300	0	3
CJB336M010#0200E	В	33	10	125	33	6	200	800	600	400	200	0	3
CJC336M010#0100E	С	33	10	125	33	6	100	1300	900	600	300	1	3
CJT336M010#0070E	T	33	10	105	33	6	70	1200	800	500		3	3
CJT336M010#0150E	T	33	10	105	33	6	150	800	600	400	-	3	3
CJB476M010#0070E	В	47	10	105	47	6	70	1300	900	600	-	3	3
CJC476M010#0100E	С	47	10	125	47	6	100	1300	900	600	300	1	3
CJH476M010#0100E	H	47	10	105	47	6	100	1000	700	500	-	3	3
CJD686M010#0045E	D D	68	10 10	125 125	68	6	45 55	2200 2000	1500 1400	1000 900	600 500	0	3
CJD686M010#0055E CJY686M010#0045E	Y	68 68	10	105	68	6	45	2000	1400	900	500	3	3
CJY686M010#0045E	Y	68	10	105	68	6	55	1800	1300	800	_	3	3
CJD107M010#0033E	D	100	10	105	100	6	18	3500	2500	1600	-	2	3
CJD107M010#0018E	D	100	10	105	100	6	25	3000	2100	1400	-	2	3
CJD107M010#0025E	D	100	10	105	100	6	45	2200	1500	1000	-	3	3
CJD107M010#0045E	D	100	10	105	100	6	55	2000	1400	900	-	3	3
CJD107M010#0080E	D	100	10	105	100	6	80	1700	1200	800	-	3	3
CJY107M010#0018E	Y	100	10	105	100	6	18	3200	2200	1400	-	2	3
CJY107M010#0025E	Υ	100	10	105	100	6	25	2700	1900	1200	-	2	3
CJY107M010#0045E	Y	100	10	105	100	6	45	2000	1400	900	-	3	3
CJY107M010#0055E	Υ	100	10	105	100	6	55	1800	1300	800	-	3	3
CJD157M010#0025E	D	150	10	105	150	6	25	3000	2100	1400	-	3	3
CJD157M010#0040E	D	150	10	105	150	6	40	2400	1700	1100	-	3	3
CJD157M010#0045E	D	150	10	105	150	6	45	2200	1500	1000	-	3	3
CJD157M010#0055E	D	150	10	105	150	6	55	2000	1400	900	-	3	3
CJY157M010#0025E	Y	150 150	10	105	150	6	25	2700 2200	1900 1500	1200	-	3	3
CJY157M010#0040E CJY157M010#0045E	Y	150	10 10	105 105	150 150	6	40 45	2000	1400	1000 900	-	3	3
CJY157M010#0045E	Y	150	10	105	150	6	55	1800	1300	800	-	3	3
CJD227M010#0035E	D	220	10	105	220	6	15	3900	2700	1800	-	3	3
CJD227M010#0015E	D	220	10	105	220	6	25	3000	2100	1400	-	3	3
CJD227M010#0040E	D	220	10	105	220	6	40	2400	1700	1100	-	3	3
CJD227M010#0050E	D	220	10	105	220	6	50	2100	1500	900	-	3	3
CJY227M010#0015E	Υ	220	10	85	220	6	15	3500	2500	-	-	5	3
CJY227M010#0025E	Υ	220	10	105	220	6	25	2700	1900	1200	-	3	3
CJY227M010#0040E	Υ	220	10	105	220	6	40	2200	1500	1000	-	3	3
CJY227M010#0050E	Υ	220	10	105	220	6	50	1900	1300	900	-	3	3
CJD337M010#0025E	D	330	10	105	330	6	25	3000	2100	1400		2	3
CJE337M010#0025E	E	330	10	125	330	10	25	3200	2200	1400	800	0	3
CJE337M010#0050E	E	330	10	125	330	10	50	2200	1500	1000	600	0	3
CJ5337M010#0035E	5	330	10	105	330	10	35	2600	1800	1200	-	2	3
CJ5337M010#0100E CJE477M010#0025E	5 E	330 470	10 10	105 125	330 470	10 10	100 25	1500 3200	1100 2200	700 1400	800	0	3
CJE477M010#0025E CJE477M010#0050E	E	470	10	125	470	10	50	2200	1500	1000	600	0	3
00L47 / IVIU I U#UU3UE		470	10	120			อบ	2200	1000	1000	000		
O IA 60EM016 #0000E		6.0	10	105		5 Volt	200	700	E00	200	200	1	
CJA685M016#0200E CJA106M016#0200E	A	6.8	16 16	125 125	10.9 16	6	200 200	700 700	500 500	300	200	1	3
CJB106M016#0100E	B	10	16	125	16	6	100	1100	800	500	300	1	3
CJB106M016#0200E	В	10	16	125	16	6	200	800	600	400	200	1	3
CJT106M016#0100E	T	10	16	125	16	6	100	1000	700	500	300	1	3
CJT106M016#0150E	T	10	16	125	16	6	150	800	600	400	200	1	3
CJT106M016#0200E	Т	10	16	125	16	6	200	700	500	300	200	1	3
CJA156M016#0250E	Α	15	16	125	24	8	250	600	400	300	200	1	3
CJB156M016#0090E	В	15	16	125	24	6	90	1200	800	500	300	0	3
CJB156M016#0150E	В	15	16	125	24	6	150	900	600	400	200	0	3
CJA226M016#0300E	Α	22	16	105	35.2	10	300	600	400	300	-	3	3
CJB226M016#0070E	В	22	16	125	35.2	8	70	1300	900	600	300	0	3
CJB226M016#0150E	В	22	16	125	35.2	6	150	900	600	400	200	0	3
CJA336M016#0200E	A	33	16	105	52.8	10	200	700	500	300	-	3	3
CJB336M016#0090E	В	33	16	125	52.8	8	90	1200	800	500	300	0	3
CJB336M016#0150E CJH336M016#0150E	В	33	16 16	125	52.8	8	150	900 800	600 600	400 400	200	-	3
CJY336M016#0150E	H	33 33	16	105 105	52.8 52.8	6	150 45	2000	1400	900	_	3 2	3
CJY336M016#0045E	Y	33	16	105	52.8	6	60	1800	1300	800	-	2	3
CJY336M016#0070E	Y	33	16	105	52.8	6	70	1600	1100	700	-	2	3
CJD476M016#0045E	D	47	16	125	75.2	6	45	2200	1500	1000	600	0	3
CJD476M016#0070E	D	47	16	125	75.2	6	70	1800	1300	800	500	Ö	3
CJH476M016#0150E	Н	47	16	105	75.2	6	150	800	600	400	-	3	4
CJX476M016#0045E	X	47	16	105	75.2	6	45	2000	1400	900	-	2	3
CJX476M016#0070E	X	47	16	105	75.2	6	70	1600	1100	700	-	2	3
CJY476M016#0045E	Y	47	16	105	75.2	6	45	2000	1400	900	-	2	3
CJY476M016#0070E	Υ	47	16	105	75.2	6	70	1600	1100	700	-	2	3
CJ 14/0101010#00/0E													



KYOCERA AVXX

Conductive Polymer Solid Electrolytic Chip Capacitors

Part Number TCJY686M016#0050E TCJD107M016#0050E TCJE107M016#0040E TCJY107M016#0050E TCJC157M016#0050E TCJD157M016#0040E TCJD157M016#0050E TCJD157M016#0050E TCJD157M016#0050E TCJD157M016#0070E TCJD157M016#0070E	Case Size	Capacitance (µF)	Voltage	Operating	DCL Max.	DF Max.						Product	
TCJD107M016#0050E TCJE107M016#0040E TCJY107M016#0050E TCJC157M016#0070E TCJD157M016#0040E TCJD157M016#0050E TCJD157M016#0050E TCJD157M016#0050E TCJD157M016#0050E TCJD157M016#0070E			(V)	Temperature (°C)	(μΑ)	(%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	MS
TCJE107M016#0040E TCJY107M016#0050E TCJC157M016#0070E TCJD157M016#0040E TCJD157M016#0040E TCJD157M016#0050E TCJD157M016#00070E TCJD157M016#0025E	D	68	16	105	108.8	6	50	1900	1300	900	-	2	3
TCJY107M016#0050E TCJC157M016#0070E TCJD157M016#0040E TCJD157M016#0040E TCJD157M016#00070E TCJD157M016#00070E TCJE157M016#0025E		100	16	105	160	6	50	2100	1500	900	-	2	3
TCJC157M016#0070E TCJD157M016#0040E TCJD157M016#0050E TCJD157M016#0070E TCJE157M016#0025E	E	100	16	105	160	6	40	2500	1800	1100	-	2	3
CJD157M016#0040E CJD157M016#0050E CJD157M016#0070E CJE157M016#0025E	Υ	100	16	105	160	6	50	2320	2320	580	-	2	3
TCJD157M016#0050E TCJD157M016#0070E TCJE157M016#0025E	С	150	16	125	240	10	70 40	1600 2400	1100	700	400	0	3
TCJD157M016#0070E TCJE157M016#0025E	D D	150 150	16 16	85 85	240	6	50	2100	1700 1500	-	-	5	3
CJE157M016#0025E	D	150	16	105	240	6	70	1800	1300	800	_	3	3
	E	150	16	125	240	8	25	3200	2200	1400	800	0	3
FCJE157M016#0040E	E	150	16	125	240	10	40	2500	1800	1100	600	0	3
CJY157M016#0040E	Ÿ	150	16	105	240	6	40	2200	1500	1000	-	3	3
CJY157M016#0050E	Υ	150	16	105	240	6	50	1900	1300	900	-	3	3
CJY157M016#0070E	Υ	150	16	105	240	6	70	1600	1100	700	-	3	3
CJD227M016#0035E	D	220	16	105	352	10	35	2500	1800	1100	-	2	3
CJD227M016#0050E	D	220	16	105	352	10	50	2100	1500	900	-	2	3
CJE227M016#0050E	E	220	16	125	352	10	50	2200	1500	1000	600	0	3
CJE337M016#0035E	E	330	16	105	528	10	35	2700	1900	1200	-	2	- 3
CJE337M016#0050E	E	330	16	105	528	10	50	2200	1500	1000	-	2	3
CJE337M016#0070E CJU337M016R0050E	E U	330 330	16 16	105 125	528 528	10 12	70 50	1900 2800	1300 2000	900	700	2	3
CJU337M016R0050E	U	330	16	125	528	12	70	2300	1600	1000	600	1	3
CJ5337M016#0100E	5	330	16	105	528	10	100	1500	1100	700	-	2	3
CJ5337M010#0100E	5	470	16	105	752	10	100	1500	1100	700	_	3	3
	J				20	Volt							
CJA685M020#0150E	Α	6.8	20	125	13.6	6	150	800	600	400	200	1	3
CJB685M020#0150E	В	6.8	20	105	13.6	8	150	900	600	400	-	3	3
CJA106M020#0150E	A	10	20	125	20	6	150	800	600	400	200	1	3
CJB106M020#0100E	В	10	20	125	20	8	100	1100	800	500	300	0	3
CJB106M020#0150E CJB156M020#0090E	В	10 15	20 20	125 125	30	8	150 90	900	600	400 500	200 300	0	3
CJB156M020#0090E	B B	15	20	125	30	8	150	900	800 600	400	200	0	3
CJB226M020#0090E	В	22	20	105	44	6	90	1200	800	500	300	0	- 3
CJB226M020#0090E	В	22	20	105	44	6	150	900	600	400	200	0	3
CJX226M020#0100E	X	22	20	105	44	8	100	1300	900	600	-	2	3
CJY226M020#0070E	Ŷ	22	20	105	44	6	70	1600	1100	700	-	2	- 3
CJX336M020#0100E	X	33	20	105	66	6	100	1300	900	600	-	2	3
CJY336M020#0070E	Υ	33	20	105	66	6	70	1600	1100	700	-	2	-
CJD476M020#0055E	D	47	20	105	94	6	55	2000	1400	900	-	2	3
CJX476M020#0055E	Χ	47	20	105	94	6	55	1800	1300	800	-	3	3
CJX476M020#0070E	Х	47	20	105	94	6	70	1600	1100	700	-	3	3
CJY476M020#0070E	Y	47	20	125	94	6	70	1600	1100	700	400	0	
CJD686M020#0055E	D	68	20	105	136	6	55	2000	1400	900	-	3	3
CJE686M020#0045E CJY686M020#0050E	E	68 68	20 20	105 105	136 136	6	45 50	2400 1900	1700 1300	900	-	2	3
CJC107M020#0050E	Y C	100	20	125	200	10	70	1600	1100	700	400	0	3
CJD107M020#0076E	D	100	20	105	200	6	55	2000	1400	900	-	2	3
CJE107M020#0035E	E	100	20	125	200	10	45	2400	1700	1100	600	0	- 3
CJY107M020#0055E	Y	100	20	105	200	6	55	1800	1300	800	-	2	3
CJE157M020#0050E	Ė	150	20	125	300	6	50	2200	1500	1000	600	0	3
CJU227M020R0070E	U	220	20	105	440	12	70	2300	1600	1000	-	2	;
CJP105M025#0500E	P	1.0	25	105	2.5	Volt 6	500	400	300	200	I -	2	:
CJA475M025#0500E	Ā	4.7	25	125	11.8	8	500	400	300	200	100	1	3
CJB475M025#0100E	В	4.7	25	105	11.8	6	100	1100	800	500	-	3	
CJB475M025#0150E	В	4.7	25	105	11.8	6	150	900	600	400	-	3	-
CJA685M025#0150E	Α	6.8	25	105	17	6	150	800	600	400	-	3	3
CJB685M025#0090E	В	6.8	25	105	17	6	90	1200	800	500	-	2	3
CJB685M025#0150E	В	6.8	25	105	17	6	150	900	600	400	-	3	
CJT685M025#0100E	T	6.8	25	105	17	6	100	1000	700	500	-	3	- 3
CJT685M025#0150E	T	6.8	25	105	17	6	150	800	600	400	-	3	;
CJA106M025#0150E	A B	10 10	25 25	105 105	25 25	6	150 90	800 1200	600 800	400 500	-	2	
CJB106M025#0090E CJB106M025#0100E	В	10	25	105	25	6	100	1100	800	500	_	2	,
CJB106M025#0100E CJB106M025#0150E	В	10	25	105	25	6	150	900	600	400	-	2	,
CJT106M025#0100E	T	10	25	105	25	8	100	1000	700	500	-	2	
CJB156M025#0100E	В	15	25	105	37.5	6	100	1400	1400	900	-	2	,
CJB156M025#0150E	В	15	25	105	37.5	6	150	900	600	400	-	2	
CJY156M025#0090E	Υ	15	25	105	37.5	6	90	1400	1000	600	-	2	3
CJB226M025#0100E	В	22	25	105	55	6	100	1100	800	500	-	2	3
CJB226M025#0150E	В	22	25	105	55	6	150	900	600	400	-	2	3
CJC226M025#0100E	С	22	25	105	55	6	100	1300	900	600	-	3	3
CJD226M025#0060E	D	22	25	105	55	6	60	1900	1300	900	-	2	- 3
CJD226M025#0100E	D	22	25	105	55	6	100	1500	1100	700	-	2	3
CJX226M025#0100E	X Y	22	25	105	55	8	100	1300	900	700	-	2	3
CJY226M025#0070E CJD336M025#0060E	D	22 33	25 25	105 105	55 82.5	6	70 60	1600 1900	1100 1300	700 900	-	3	3
CJD336M025#0060E CJD336M025#0100E	D D	33	25	105	82.5	6	100	1500	1100	700	-	2	3
CJX336M025#0100E	X	33	25	105	82.5	6	70	1600	1100	700	-	2	- 3
CJX336M025#0070E	X	33	25	105	82.5	6	100	1300	900	600	-	2	3
CJY336M025#0040E	Y	33	25	105	82.5	6	40	2200	1500	1000	-	2	3
CJY336M025#0060E	Y	33	25	105	82.5	6	60	1800	1300	800	-	2	3
CJY336M025#0070E	Υ	33	25	105	82.5	6	70	1600	1100	700	-	2	3

Conductive Polymer Solid Electrolytic Chip Capacitors



	Case	Capacitance	Rated	Maximum Operating	DCL Max.	DF Max.	ESR Max.	10	00kHz RMS	Current (m	Α)	Product	
Part Number	Size	(μF)	Voltage (V)	Temperature (°C)	(μA)	(%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	MSI
CJD476M025#0060E	D	47	25	105	117.5	6	60	1900	1300	900	-	3	3
CJD476M025#0100E	D	47 47	25	105	117.5	6	100	1500	1100	700	-	3	3
CJE476M025#0050E CJY476M025#0100E	E Y	47	25 25	105 105	117.5 117.5	6	50 100	2200 1400	1500 1000	1000 600	_	3	3
CJD686M025#0070E	D	68	25	105	170	6	70	1800	1300	800	-	2	3
CJE686M025#0050E	E	68	25	105	170	6	50	2200	1500	1000	-	3	3
CJY686M025#0100E	Y	68	25	105	170	6	100	1400	1000	600	-	3	3
CJD107M025#0055E CJD107M025#0070E	D D	100 100	25 25	105 105	250 250	6	55 70	2000 1800	1400 1300	900 800	-	2	3
CJE107M025#0070E	E	100	25	125	250	6	40	2500	1800	1100	600	0	3
CJE107M025#0060E	E	100	25	125	250	6	60	2000	1400	900	500	0	3
CJE107M025#0080E	E	100	25	125	250	6	80	1800	1300	800	500	0	3
CJU107M025R0070E	U	100	25	125	250	12	70	2300	1600	1000	600	1	3
CJU157M025R0070E	U	150	25	105	375	12 Volt	70	2300	1600	1000		2	3
CJB155M035#0200E	В	1.5	35	105	5.3	6	200	800	600	400	-	2	3
CJB225M035#0200E	В	2.2	35	105	7.7	6	200	800	600	400	-	3	3
CJA335M035#0500E	A	3.3	35	125	11.6	8	500	400	300	200	100	1	3
CJB335M035#0200E	В	3.3	35	105	11.6	6	200	800	600	400	200	3	3
CJB475M035#0150E CJB475M035#0200E	B	4.7 4.7	35 35	125 125	16.5 16.5	6	150 200	900 800	600 600	400 400	200	0	3
CJC475M035#0200E	C	4.7	35	105	16.5	6	200	900	600	400	-	3	3
CJC685M035#0200E	C	6.8	35	105	23.8	6	200	900	600	400	-	3	3
CJT685M035#0150E	Т	6.8	35	105	23.8	8	150	800	600	400	-	2	3
CJB106M035#0150E	В	10	35	125	35	6	150	900	600	400	200	0	3
CJB106M035#0200E CJC106M035#0200E	B C	10 10	35 35	125 105	35 35	6	200	800 900	600 600	400 400	200	3	3
CJY106M035#0200E	Y	10	35	105	35	6	70	1600	1100	700	_	2	3
CJB156M035#0200E	В	15	35	105	52.5	6	200	800	600	400	-	2	3
CJC156M035#0200E	С	15	35	105	52.5	6	200	900	600	400	-	3	3
CJD156M035#0070E	D	15	35	105	52.5	6	70	1800	1300	800	-	3	3
CJD156M035#0100E CJY156M035#0070E	D Y	15 15	35 35	105 105	52.5 52.5	6	100 70	1500 1600	1100 1100	700 700	-	3	3
CJY156M035#0070E	Y	15	35	105	52.5	6	100	1400	1000	600	_	3	3
CJD226M035#0070E	D	22	35	105	77	6	70	1800	1300	800	-	2	3
CJD226M035#0100E	D	22	35	105	77	6	100	1500	1100	700	-	2	3
CJY226M035#0150E	Υ	22	35	105	77	6	150	1100	800	500	-	3	3
CJD336M035#0070E	D	33	35	105	115.5	6	70	1800	1300	800	-	2	3
CJD336M035#0100E CJE336M035#0055E	D E	33 33	35 35	105 105	115.5 115.5	6	100 55	1500 2100	1100 1500	700 900	_ _	3	3
CJE336M035#0035E	E	33	35	105	115.5	6	70	1900	1300	900	_	3	3
CJU336M035R0070E	Ū	33	35	125	115.5	12	70	2300	1600	1000	600	1	3
CJY336M035#0100E	Y	33	35	105	115.5	6	100	1400	1000	600	-	3	3
CJE476M035#0055E	E	47	35	105	164.5	6	55	2100	1500	900	-	2	3
CJU476M035R0070E CJY476M035#0100E	U Y	47 47	35 35	125 105	164.5 164.5	12 6	70 100	2300 1400	1600 1000	1000 600	600	3	3
CJU157M035#0100E	U	150	35	105	525	10	100	1900	1300	900	_	2	3
					50	Volt							
CJB684M050#0400E	В	0.68	50	105	3.4	6	400	600	400	300	-	3	3
CJB105M050#0300E CJB155M050#0300E	B	1.0 1.5	50 50	105 105	5 7.5	6	300	600	400 400	300 300	-	3	3
CJC155M050#0300E	C	1.5	50	105	7.5	6	300	800	600	400	-	3	3
CJB225M050#0300E	В	2.2	50	125	11	8	300	600	400	300	200	0	3
CJC225M050#0300E	С	2.2	50	105	11	6	300	800	600	400	-	3	3
CJB335M050#0300E	В	3.3	50	125	16.5	8	300	600	400	300	200	0	3
CJC335M050#0200E	С	3.3	50	105	16.5	8	200	900	600	400	-	3	3
CJC475M050#0200E CJX475M050#0250E	C X	4.7 4.7	50 50	105 105	23.5	8	200 250	900 800	600 600	400 400	_	3 2	<u>3</u>
CJY475M050#0250E	Y	4.7	50	105	23.5	6	250	900	600	400	-	2	3
CJC685M050#0200E	С	6.8	50	105	34	8	200	900	600	400	-	3	3
CJD685M050#0120E	D	6.8	50	105	34	10	120	1400	1000	600	-	3	3
CJD106M050#0090E	D	10	50	105	50	10	90	1600	1100	700	_	3	3
CJD106M050#0120E CJE106M050#0070E	D E	10 10	50 50	105 105	50 50	10 6	120 70	1400 1900	1000 1300	900	-	3	3
CJE106M050#0070E	E	10	50	105	50	6	100	1600	1100	700	-	3	3
CJD156M050#0150E	D	15	50	125	75	8	150	1200	800	500	300	1	3
CJE156M050#0070E	E	15	50	105	75	6	70	1900	1300	900	-	3	3
CJE156M050#0100E	E	15	50	105	75	6	100	1600	1100	700	-	3	3
CJD226M050#0090E	D E	22 22	50 50	125	110 110	8	90 75	1600 1800	1100 1300	700 800	400 500	1 1	3
CJE226M050#0075E CJE226M050#0150E	E	22	50	125 105	110	8	150	1300	900	600	- 500	2	3
	, <u> </u>			. 30		Volt							
CJB474M063#0400E	В	0.47	63	105	3	8	400	600	400	300	-	3	3
CJB684M063#0300E	В	0.68	63	105	4.3	8	300	600	400	300	-	3	3
CJB105M063#0300E	В	1.0	63	105	6.3	8	300	600	400	300	-	3	3
CJC105M063#0300E	C	1.0 1.5	63 63	105 105	6.3 9.5	6	300	800 800	600 600	400 400	-	3	3
C IC155M062#0200F	C	2.2	63	105	13.9	6	200	900	600	400	_	3	3
CJC155M063#0300E		1 4.4	l UJ	100									
CJC155M063#0300E CJC225M063#0200E CJC335M063#0200E	Č	3.3	63	105	20.8	6	200	900	600	400	-	3	3
CJC225M063#0200E		3.3 4.7	63 63	105 105	20.8 29.6	6	200 200	900	600	400	-	3	3
CJC225M063#0200E CJC335M063#0200E	С												



Conductive Polymer Solid Electrolytic Chip Capacitors

RATINGS & PART NUMBER REFERENCE

	Case	Capacitance	Rated	Maximum Operating	DCL Max.	DF Max.	ESR Max.	10	0kHz RMS	Current (m	A)	Product	
Part Number	Size	(μF)	Voltage (V)	Temperature (°C)	(μ A)	(%)	@ 100kHz (mΩ)	45°C	85°C	105°C	125°C	Category	MSL
TCJE685M063#0150E	E	6.8	63	105	42.8	6	150	1300	900	600	-	3	3
TCJE106M063#0100E	E	10	63	105	63	6	100	1600	1100	700	-	3	3
TCJE106M063#0150E	E	10	63	105	63	6	150	1300	900	600	-	3	3
TCJE156M063#0150E	E	15	63	105	94.5	8	150	1300	900	600	-	2	3
					75	Volt							
TCJD475M075#0150E	D	4.7	75	105	35.3	6	150	1200	800	500	-	3	3
TCJD685M075#0120E	D	6.8	75	105	51	6	120	1400	1000	600	-	3	3
					10	0 Volt							
TCJD475M100#0250E D 4.7 100 105 47 8 250 900 600 400 - 4 3													3
125 Volt													
TCJD335M125#0250E	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 253.

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





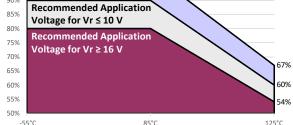
125°C

RECOMMENDED DERATING FACTOR

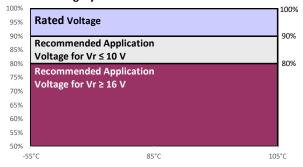
Voltage and temperature derating as percentage of Vr

Product Category 0 100% Rated Voltage 95% 90% **Recommended Application Voltage** 85% for Vr ≤ 10 V 80% **Recommended Application Voltage** 75% for Vr ≥ 16 V 70% 65% 60% 60% 55% 54% 50% -55°C 85°C 105°C 125°C

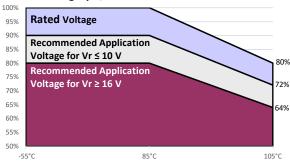
Product Category 1 100% **Rated Voltage** 95% 90% **Recommended Application** 85%



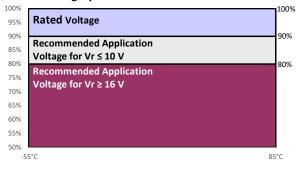
Product Category 2



Product Category 3, 4



Product Category 5







Conductive Polymer Solid Electrolytic Chip Capacitors

PRODUCT CATEGORY 0, 1 (TEMPERATURE RANGE -55°C TO +125°C)

TEST		Condition				Charact	eristics			
	Apply rated	voltage (Ur) at 85°	C (CATEGORY 1)	Visual examination	no visible	e damage				
	or 105°C (C	ATEGORY 0) or 2/3	3 rated voltage (Úr)	DCL	1.25 x in	itial limit				
Endurance		I CATEGORIES) fo rcuit impedance o		ΔC/C	within +1	10/-20% of	initial valu	e		
		rcuit impedance o room temperature		DF	1.5 x init	ial limit				
	before mea		2	ESR	2 x initia	llimit		1		
				Visual examination	no visible	e damage				
	Store at 125	5°C, no voltage apr	olied, for 2000	DCL	2 x initia	l limit				
Storage Life		lize at room temp		ΔC/C	within +1	10/-20% of	initial valu	e		
	hours before	e measuring.		DF	1.5 x init	ial limit				
				ESR	2 x initia	llimit				
				Visual examination	no visib	le damage				
		C and 95% relative		DCL	3 x initia	al limit				
Humidity		no applied voltage e and humidity for	. Stabilize at room	ΔC/C	within +	35/-5% of	initial valu	ue		
	measuring.	and number of	1-2 flours before	DF	1.5 x ini	tial limit				
				ESR	2 x initia	al limit				
	Step	Temperature °C	Duration (min)		+20°C	-55°C	+20°C	+85°C	+125°C	+20°C
	1	+20	15	DCL	IL*	n/a	IL*	10 x IL*	12.5 x IL*	IL*
Temperature	2	-55	15	DOL	" <u>-</u>	11/ 4	"-	TOXIL	12.5 X IL	
Stability	3	+20	15	ΔC/C	n/a	+0/-20%	±5%	+20/-0%	+30/-0%	±5%
•	4	+85	15		, ,	', '		1		
	5 6	+125 +20	15 15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*	2 x IL*	IL*
			1	Visual examination	no vicible	n damaga		1		
0		2/3x rated voltage		DCL Visual examination	no visible damage initial limit					
Surge Voltage		of duration 6 min c discharge) throu		ΔC/C		10/-20% of i	nitial value			
Voltage		esistance of 10000		DF	1.25 x in		Tilliai value			
				Visual examination		le damage				
				DCL	initial lin					
Mechanical Shock	MIL-STD-20	2, Method 213, Co	ndition C	ΔC/C		5% of initia	مريادي اد			
Wechanical Shock	WIL-31D-20	z, Method 213, Co	ilulion C	DF	initial lin		ii value			
				ESR		nitial limit				
				Visual examination		le damage				
				DCL	initial lin					
Vibration	MII -STD-20	2, Method 204, Co	ndition D	ΔC/C		5% of initia	al value			
	315 20	_,		DF	initial lin					
				ESR	1.25 x initial limit					
	<u> </u>			1 20.1	1.20 / 11	ar mint			-	

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)

Temperature Stability 1	TEST		Condition				Characte	ristics				
through a circuit impedance of \$0.10/V (all CATEGORY 2) or 0.8x rated voltage (CATEGORY 3, 4) at 15°C for 2000 hours through a circuit impedance of \$0.10/V Always stabilize at room temperature for 1.2 hours before measuring. Storage Life Storage Life Storage Life Humidity Storage Life Storage Life Storage Life Accite at 105°C, no voltage applied, for 2000 hours. Stabilize at room temperature for 1.2 hours before measuring. Storage Life Storage Life		Apply rated voltage	ge (Ur) at 85°C for 2	2000 hours	Visual examination	no visible	damage					
Endurance CATEGORY 2) or 0.8x rated voltage (CATEGORY 3, 4) at 105° C for 2000 hours through a circuit impedance of \$0.10/V Always stabilize at room temperature for 1-2 hours before measuring. Storage Life Storage Life		through a circuit i	mpedance of ≤0.10	Ω/V (all	DCL	1.25 x ini	tial limit					
Storage Life Sto	Endurance	(CATEGORY 2) or	0.8x rated voltage	(CATEGORY 3, 4)	ΔC/C	within +1	0/-20% of i	nitial value	!			
Storage Life Storage Storage Stabilize at room temperature and humidity for 500 Doc. Storage A storage Stabilize at room temperature and humidity for 1-2 hours before measuring. Storage A storage Stabilize at room temperature and humidity for 1-2 hours before To Storage A storage Stabilize at room temperature and numidity for 1-2 hours before To Storage A storage Stabilize at room temperature and numidity for 1-2 hours before DF Storage A storage A storage Storage A storage Stabilize at room temperature and numidity for 1-2 hours before To Storage A storage A storage Storage A storage A st					DF	1.5 x initia	al limit					
Storage Life Stor		1-2 hours before	measuring.		ESR	2 x initial	limit					
Storage Life Storage Storage Life Storage Life Storage Life Storage Storage Life Storage Life Storage Storage Life Storage Life Storage Life Storage Storage Storage Life Storage Life Storage Storage Life Storage Life Storage Storage Storage Life Storage Life Storage Storage Storage Life Storage Life Storage Life Storage Storage Storage Life Storage Life Storage Storage Life Storage Life Storage Life Storage Life Storage Storage Storage Life Storage Li					Visual examination	no visible damage						
Storage Life Stabilize at room temperature for 1-2 hours before measuring. Storage Life measuring. Storage Life DF 1.5 x initial limit ESR 2 x initial limit ESR ESS ESS ESS ESS ESR ESS					DCL (V _R ≤ 75V)	1.25 x ini	tial limit					
Humidity Mechanical Shock Mill-STD-202, Method 213, Condition C	Ctorono Life				DCL (V _R > 75V)	2 x initial	limit					
Humidity Store at 65°C and 95% relative humidity for 500 hours, with no applied voltage. Stabilize at room temperature and humidity for 1-2 hours before measuring. Step Temperature °C Duration (min)	Storage Life		temperature for 1-2	z nours before	ΔC/C	within +1	0/-20% of i	nitial value	:			
Humidity Store at 65°C and 95% relative humidity for 500 hours, with no applied voltage. Stabilize at room temperature and humidity for 1-2 hours before measuring. Step Temperature °C Duration (min)		medodinig.			DF	1.5 x init	ial limit					
Humidity Store at 65°C and 95% relative humidity for 500 hours, with no applied voltage. Stabilize at room temperature and humidity for 1-2 hours before measuring. DCL					ESR	2 x initial limit						
Humidity hours, with no applied voltage. Stabilize at room temperature and humidity for 1-2 hours before measuring. AC/C within +35/-5% of initial value					Visual examination	no visible damage						
Temperature and humidity for 1-2 hours before measuring. Expressibility Expressibili					DCL	3 x initia	l limit					
Step Temperature °C Duration (min) +20°C -55°C +20°C +85°C +105°C +20°C	Humidity				ΔC/C	within +35/-5% of initial value						
Step Temperature °C Duration (min) +20°C -55°C +20°C +85°C +105°C +20°C			numunty for 1-2 no	uis belole	DF							
Temperature Stability		incusumg.			ESR	2 x initia	l limit					
Color Care		Step		+20°C	-55°C	+20°C	+85°C	+105°C	+20°C			
Temperature Stability					DCI	11 *	n/a	11 *	10 v II *	12 5 v II *	IL*	
Stability 3	Temperature				DOL	"-	11/ 0	"-	IO X IL	12.5 X IL	"-	
Surge Voltage					ΔC/C	n/a	+0/-20%	±5%	+20/-0%	+30/-0%	±5%	
Surge Voltage Apply 1.3x rated voltage (Ur) at 105°C for CATEGORY 2, or apply 1.3x 0.8x rated voltage (Ur) at 105°C for CATEGORY 2, or apply 1.3x 0.8x rated voltage (Ur) at 105°C for CATEGORY 2, or apply 1.3x 0.8x rated voltage (Ur) at 105°C for CATEGORY 3, 4 for 1000 cycles of duration 6 min (30 sec charge, 5 min 30 sec discharge) through a charge / discharge resistance of 1000Ω DF 1.25 x initial limit						, ,	-, -		.,			
Surge Voltage Apply 1.3x rated voltage (Ur) at 105°C for CATEGORY 2, or apply 1.3x 0.8x rated voltage (Ur) at 105°C for CATEGORY 2, or apply 1.3x 0.8x rated voltage (Ur) at 105°C for CATEGORY 3, 4 for 1000 cycles of duration 6 min (30 sec charge, 5 min 30 sec discharge) through a charge / discharge resistance of 1000Ω Visual examination no visible damage Mechanical Shock MIL-STD-202, Method 213, Condition C Visual examination no visible damage DCL initial limit Visual examination no visible damage DCL initial limit AC/C within ±5% of initial value DF initial limit AC/C within ±5% of initial value DF initial limit ESR 1.25 x initial limit Visual examination no visible damage					DF	IL*	1.5 x IL*	IL*	1.5 x IL*	2 x IL*	IL*	
Surge Voltage 2, or apply 1.3x 0.8x rated voltage (Ur) at 105°C for CATEGORY 3, 4 for 1000 cycles of duration 6 min (30 sec charge, 5 min 30 sec discharge) through a charge / discharge resistance of 1000Ω DCL initial limit Mechanical Shock MIL-STD-202, Method 213, Condition C Visual examination no visible damage DCL initial limit Wisual examination DCL initial limit AC/C within ±5% of initial value DF initial limit Visual examination no visible damage		-		-	Visual examination	no visible	damage					
Voltage sec charge, 5 min 30 sec discharge) through a charge / discharge resistance of 1000Ω DF 1.25 x initial limit Mechanical Shock MIL-STD-202, Method 213, Condition C Visual examination ovisible damage DCL initial limit AC/C within ±5% of initial value DF initial limit ESR 1.25 x initial limit Visual examination ovisible damage	Surge	2, or apply 1.3x 0.8	x rated voltage (Ur) a	at 105°C for	DCL	initial limi	it					
Mechanical Shock MIL-STD-202, Method 213, Condition C MIL-STD-202, Method 213,	Voltage	sec charge, 5 min 3	30 sec discharge) the		ΔC/C	within +1	0/-20% of in	nitial value				
Mechanical Shock MIL-STD-202, Method 213, Condition C DCL initial limit ΔC/C within ±5% of initial value DF initial limit ESR 1.25 x initial limit Visual examination no visible damage		discharge resistan	ce of 1000Ω		DF	1.25 x init	tial limit					
Mechanical Shock MIL-STD-202, Method 213, Condition C ΔC/C within ±5% of initial value DF initial limit ESR 1.25 x initial limit Visual examination no visible damage					Visual examination	no visible	e damage					
Shock MIL-STD-202, Method 213, Condition C AC/C Within ±5% of initial value DF initial limit ESR 1.25 x initial limit Visual examination no visible damage					DCL	initial lim	nit					
DF initial limit ESR 1.25 x initial limit Visual examination no visible damage		MIL-STD-202, Me	thod 213, Condition	n C	ΔC/C	within ±5	5% of initia	l value				
Visual examination no visible damage	SHOCK				DF	initial lim	nit					
					ESR	1.25 x initial limit						
DCL initial limit					Visual examination	on no visible damage						
					DCL	initial lim	nit					
Vibration MIL-STD-202, Method 204, Condition D ΔC/C within ±5% of initial value	Vibration	MIL-STD-202, Me	thod 204, Conditior	n D	ΔC/C	within ±5% of initial value						
DF initial limit					DF	initial limit						
ESR 1.25 x initial limit					ESR							

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			C	haracteri	stics		
				Visual examination	no visibl	e damage			
	Apply rated voltage	e (Ur) at 85°C for 20	000 hours through	DCL	1.25 x in	itial limit			
Endurance	a circuit impedance	ce of ≤0.1Ω/V. Stabil	ize at room	ΔC/C	within +	10/-20% of	finitial va	lue	
	temperature for 1-	-2 hours before mea	suring.	DF	1.5 x init	ial limit			
				ESR	2 x initia	l limit			
				Visual examination	no visibl	e damage			
	Store at 85°C, no	voltage applied, for 2	2000 hours.	DCL	1.25 x in	itial limit			
Storage Life		temperature for 1-2	hours before	ΔC/C	within +	10/-20% of	finitial va	lue	
	measuring.			DF	1.5 x init	ial limit			
				ESR	2 x initia	l limit			
				Visual examination	no visib	le damag	е		
	Store at 65°C and	95% relative humidi	ity for 500 hours,	DCL	5 x initia	al limit			
Humidity		ltage. Stabilize at ro		ΔC/C	within +	-35/-5% of	initial va	alue	
	and humidity for 1	-2 hours before mea	asuring.	DF	1.5 x ini	tial limit			
				ESR	2 x initia				
	Step	Temperature°C	Duration(min)		+20°C	-55°C	+20°C	+85°C	+20°C
		<u> </u>	` ′	DCL	IL*	n/a	IL*	10 x IL*	IL*
Temperature	1	+20	15						
Stability	3	-55 +20	15 15	ΔC/C	n/a	+0/-20%	±5%	+20/-0%	±5%
	4	+20	15						
	5	+125	15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*	IL*
		1.20		Visual examination	no visibl	e damage			
Surge		oltage (Ur) at 85°C f		DCL	initial lin				
Voltage) sec charge, 5 min 3 / discharge resistan		ΔC/C	within +	10/-20% of	initial val	ue	
	tillough a charge	/ discharge resistan	ce or 10000	DF	1.25 x in	itial limit			
				Visual examination	no visib	le damag	e		
				DCL	initial lii	nit			
Mechanical Shock	MIL-STD-202, Met	hod 213, Condition	С	ΔC/C	within ±	5% of init	ial value		
				DF	initial lii	nit			
				ESR	1.25 x ii	nitial limit			
			,	Visual examination	no visib	le damag	e		
				DCL	initial lii	mit			
Vibration	MIL-STD-202, Met	hod 204, Condition	D	ΔC/C	within ±	5% of init	ial value		
				DF	initial limit				
				ESR	1.25 x initial limit				

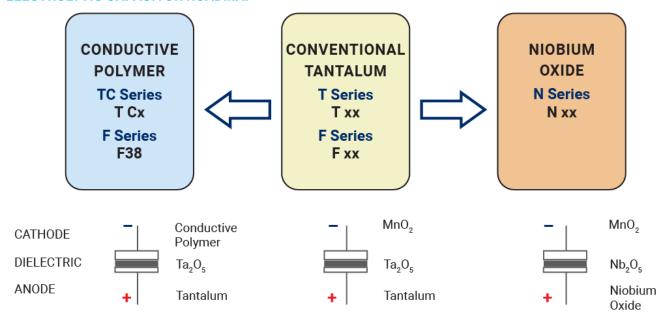
^{*}Initial Limit

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

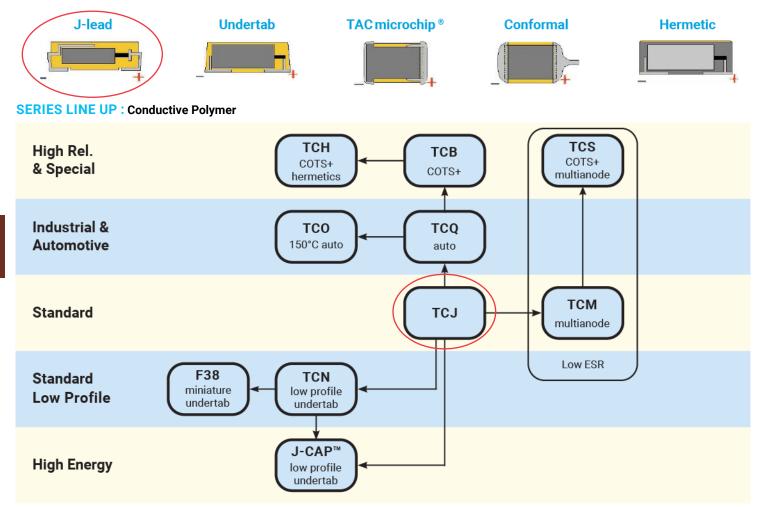
Conductive Polymer Solid Electrolytic Chip Capacitors



SOLID ELECTROLYTIC CAPACITOR ROADMAP



FIVE CAPACITOR CONSTRUCTION STYLES



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Kyocera AVX:

TCJB336M016R0150E TCJH157M006R0070E TCJU157M035R0100E

KYOCERA AVX:

TCJB107M006R004	TCJB336M010R0070	TCJW157M006R004	0 TCJB336M006R007	0 TCJH157M006R0200
TCJB686M006R0055	TCJA106M010R0300	TCJA156M006R0300	TCJB107M004R0070	TCJB107M006R0070
TCJB476M010R0070	TCJB686M006R0070	TCJT476M006R0080	TCJW686M006R0070	TCJT336M010R0070
TCJB106M016R0200	TCJB157M006R0070	TCJB227M004R0070	TCJG107M004R0300	TCJB227M006R0200
TCJP105M025R0500	TCJT476M006R0120	TCJK475M010R0500	TCJB105M050R0300	TCJD106M050R0120
TCJY106M035R0070	TCJB226M016R0150	TCJB107M002R0070	TCJB157M002R0070	TCJT686M004R0080
TCJB686M004R0070	TCJC336M010R0100	TCJA336M006R0200	TCJA476M006R0200	TCJC476M010R0100
TCJA476M004R0200	TCJB226M010R0300	TCJT107M004R0150	TCJA686M004R0250	TCJA107M004R0200
TCJR106M006R0500	TCJB157M004R0070	TCJA106M016R0200	TCJA156M010R0200	TCJB336M006R0200
TCJA226M004R0300	TCJA156M004R0300	TCJT336M010R0150	TCJA336M004R0300	TCJA107M002R0200
TCJA686M002R0250	TCJT476M004R0080	TCJB336M010R0200	TCJT226M006R0150	TCJT336M006R0150
TCJC686M006R0100	TCJB156M016R0150	TCJT226M010R0150	TCJT106M016R0150	TCJW157M006R0070
TCJA226M006R0300	TCJA106M006R0300	TCJB476M006R0070	TCJA685M016R0200	TCJB155M035R0200
TCJB225M035R0200	TCJB335M035R0200	TCJB475M025R0100	TCJB475M035R0200	TCJB685M025R0100
TCJC156M035R0200	TCJC226M025R0100	TCJC475M035R0200	TCJC685M035R0200	TCJD156M035R0070
TCJD156M035R0100	TCJD226M025R0060	TCJD226M025R0100	TCJD226M035R0070	TCJD226M035R0100
TCJD336M025R0060	TCJD336M025R0100	TCJD336M035R0070	TCJD336M035R0100	TCJD476M025R0060
TCJD476M025R0100	TCJE106M050R0070	TCJE156M050R0070	TCJE336M035R0055	TCJE476M025R0050
TCJE476M035R0055	TCJE686M025R0050	TCJY337M006R0040	TCJY337M006R0050	TCJC106M035R0200
TCJB227M004R0045	TCJY226M025R0070	TCJP476M006R0500	TCJB157M006R0045	TCJK226M006R0400