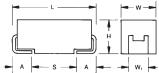
Low ESR



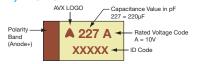




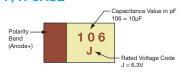


MARKING

A, B, C, D, E, F, S, T, V, W, X, Y CASE



P, R CASE



FEATURES

- Low ESR series of robust MnO₂ solid electrolyte capacitors
- CV range: 0.15-1500µF / 2.5-50V
- 14 case sizes available
- Power supply applications

LEAD-FREE



SnPb termination option is not RoHS compliant.

APPLICATIONS

• General medium power DC/DC convertors

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)
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)
F	2312	6032-20	6.00 (0.236)	3.20 (0.126)	2.00 (0.079) max.	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
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)
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)
			W1 dimension a	applies to the termin	ation width for A dir	mensional area o	nly.	

HOW TO ORDER



Case Size See table above

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

M

Tolerance $K = \pm 10\%$ $M = \pm 20\%$ 010

Rated DC Voltage 002 = 2.5Vdc 004 = 4Vdc 006 = 6.3 Vdc

010 = 10 Vdc016 = 16 Vdc020 = 20 Vdc025 = 25 Vdc 025 = 25 Vdc 035 = 35 Vdc

050 = 50 Vdc

Packaging R = Pure Tin 7" Reel S = Pure Tin 13" Reel A = Gold Plating 7" Reel

R

B = Gold Plating 13" Reel
H = Tin Lead 7" Reel
(Contact Manufacturer)

K = Tin Lead 13" Reel (Contact Manufacturer) H, K = Non RoHS

0100

ESR in $m\Omega$

Additional characters may be added for special requirements

V = Dry pack Option (selected codes only)

TECHNICAL SPECIFICATIONS

Technical Data:		All te	chnical d	ata relate	to an am	bient tem	perature	of +25°C			
Capacitance Range:		0.15	μF to 15	00 μF							
Capacitance Tolerance:		±109	%; ±20%								
Rated Voltage (V _R)	≤ +85°C:	2.5	4	6.3	10	16	20	25	35	50	
Category Voltage (V _C)	≤ +125°C:	1.7	2.7	4	7	10	13	17	23	33	
Surge Voltage (V _S)	≤ +85°C:	3.3	5.2	8	13	20	26	32	46	65	П
Surge Voltage (V _S)	≤ +125°C:	2.2	3.4	5	8	13	16	20	28	40	
Temperature Range:		-55°	C to +12	5°C							
Environmental Classification:		55/1	25/56 (IE	C 68-2)							
Reliability:		1% p	oer 1000	hours at 8	35°C, V _R v	with 0.1Ω	√ series	impedanc	e,		
		60%	confiden	ce level							
Termination Finished:	Sn Plating (standard), Gold and SnPb Plating upon request										
		For A	AEC-Q20	0 availabil	ity, please	e contact	AVX				





CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

Capa	citance				Rated \	Voltage DC (V _R) to	o 85°C			
μF	Code	2.5V (e)	4V (G)	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.15	154									A(9000)
0.22	224								A(6000)	A(7000)
0.33	334								A(6000)	A(7000)
0.47	474							A(7000)	A(6000) B(4000)	A(6500), B(6000) C(2300)
0.68	684							A(6000)	A(6000)	B(4000)
1.0	105				R(9000)	A(6200)	A(3000), R(6000) S(6000), T(2000)	A(4000) R(2500,4000)	A(3000) B(2000)	B(3000) C(2500)
1.5	155						A(3000)	A(3000) B(1800)	A(3000) B(2500)	C(1500,2000)
2.2	225			R(7000)	A(1800)	A(1800,3500) T(2000)	A(3000), B(1700)	A(2500) B(900,1200,2500)	A(1500), B(750, 1500,2000), C(1000)	C(1500) D(1200)
3.3	335			A(2100)	T(1500)	A(3500), B(2500)	A(2500) B(1300)	A(1000,1500) B(750,1500,2000)	B(1000) C(700)	C(1000) D(800)
4.7	475			S(4000)	A(1400), B(1400) R(3000,5000)	A(2000) B(800,1500)	A(1800) B(750,1000)	B(700,900,1500) C(700)	B(700,1500) C(600), D(700)	C(800) D(250,300,500,700) X(500)
6.8	685			A(1800)	A(1800), B(1300) T(1800)	A(1500) B(600,1200)	A(1000) B(600,1000) C(700)	B(700) C(500,600,700)	C(350) D(150,400,500)	D(200, 300, 500,600)
10	106		R(3000)	A(1500), B(1500) R(1000,1500,3000) T(1000)	A(900,1800), B(1000) P(2000)M, S(900) T(1000,2000)	A(1000), B(500,800) C(500), T(800,1000) W(500,600)	B(500,1000) C(500,700) W(250, 500)	B(1800) C(300,500) D(500)	C(600) D(125,300) E(200), Y(250)	D(500) E(250,300, 400,500)
15	156			A(700,1500)	A(1000) B(450,600), C(700) T(1200)	B(500,800) C(300,700)	B(500) C(400,450)	C(220,300) D(100,300)	C(350,450) D(100,300) Y(250)	E(250) V(250)
22	226			A(500,900) B(375,600) C(500), S(900)	A(900) B(400,500,700) C(300), T(800)	B(400,600) C(150,250,300,375) D(700), W(500)	B(400,600) C(100,150,400) D(200,300)	C(275,400) D(100,200,300) F(300)	D(125,200,300,400) E(125,200,300) Y(200)	
33	336			A(600) B(250,350,450,600) T(800)	A(700) B(250,425,500,650) C(150,375,500) W(350)	B(350,500) C(100,150,225,300) D(200), W(140,175, 250,400,500) Y(300,400)	C(300) D(100,200)	C(400) D(100,200,300) E(100,175, 200,300) Y(200)	D(200,300) E(100,250,300) V(200)	
47	476		A(500)	A(800) B(250,350,500) C(300), T(1200)	B(250,350,500,650) C(200,350) D(100,300) W(125,150,250)	C(110,350) D(80,100,150,200) W(200) X(180), Y(250)	D(75,100,200) E(70,125,150, 200,250) X(200)	D(125,150,250) E(80,100,125) (Y250)	E(200,250) V(150,200)	
68	686			B(250,350,500) C(150,200) W(110,125,250)	B(600) C(80,100,200,300) D(100,150), W(100,150) Y(100,200)	C(125,200) D(70,100,150) F(200), X(150) Y(150,200,250)	D(70,150, 200,300) E(125,150,200) Y(200)	D(150,200,300) E(125,200) V(80,95,150,200)	V(150,200)	
100	107	B(200)	B(200,250, 350,500) W(100)	B(250,400) C(75,150), D(300) W(100,150) Y(100)	B(400) C(75,100,150,200) D(50,65,80,100,125, 150), E(125) W(150) X(85,150,200) Y(100,150,200)	C(200) D(60,100,125,150) E(55,100,125,150) F(150,200) Y(100,150,200)	D(85,100,150) E(100,150,200) V(60,85,100,200)	E(150), V(100)		
150	157	B(150)	B(250) C(70,80)	C(50,90,150,200,250) D(50,125), Y(40,50)	C(150), D(50,85,100), E(100), F(200), X(100) ^M Y(100,150,200)	D(60,85,100,125,150) E(100), V(45,75) Y(200) ^M	V(80)	V(150) [™]		
220	227	B(150, 200,600) D(45)	D(40,50,100) Y(40,50,75)	C(70,100,125,250) D(50,100,125) E(100), F(200) Y(100,150)	D(40,50,100,150) E(50,60,70,100, 125,150) Y(100,150,200)	E(100,150) V(50,75,100,150)				
330	337	Y(40)	C(100) D(35,45,100) F(200) X(100)	C(80,100) D(45,50,70,100) E(50,100,125,150) V(100), Y(75,100,150)	D(50,65,100,150) E(40,50,60,100) V(40,60,100)	E(200) ^{M)}				
470	477	D(35) F(200) Y(100)	D(45,100) E(35,45,100)	D(45,60,100,200) E(45,50,60,100,200) V(40,55,100), Y(150)	E(45,50,60,100,200) V(40,60,100)					
680	687	D(35,50) E(35,50) Y(100)	D(45,60,100) E(40,60,100)	E(45,60,100) V(35,40,50)	E(150)M V(100)M					
1000	108	E(30,40) Y(100) ^M	E(40,60) V(25,35,40,50)	E(100) ^M , V(40,50) ^M						
1500	158	D(100) E(50) V(30,40) ^M	E(50,75) V(50,75) ^{M)}							

Not recommended for new designs, higher voltage or smaller case size substitution are offered. Available Ratings (M tolerance only), (ESR ratings in mOhms in brackets)

Engineering samples - please contact manufacturer

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





Part No. S TPSB107*002#0200 TPSB157*002#0150 TPSB227*002#0150 TPSB227*002#0150 TPSB227*002#0200 TPSB227*002#0600 TPSD227*002#0045 TPSY337*002#0040 TPSD477*002#0035 TPSF477*002#0035 TPSF477*002#0100 TPSD687*002#035 TPSD687*002#035 TPSE687*002#0050 TPSE687*002#0050 TPSY687*002#0050 TPSY687*002#0050	B B B B D Y D D F Y D D E E E Y	100 150 220 220 220 220 330 470 470 680 680	2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	85 85 85 85 85 85 85 85 85 85	Voltage (V) 2.5 Vol 1.7 1.7 1.7 1.7 1.7 1.7	Temperature (°C) It @ 85°C 125 125 125 125 125 125	Max. (μA) 2.5 3 4.4 4.4	8 10 16	Max. @ 100kHz (mΩ) 200 150 150	1 1 1	25°C 0.652 0.753	85°C 0.587 0.677	125°C
TPSB157*002#0150 TPSB227*002#0150 TPSB227*002#0200 TPSB227*002#0600 TPSD227*002#0045 TPSD227*002#0045 TPSD477*002#0035 TPSF477*002#0100 TPSD687*002#0035 TPSD687*002#0035 TPSD687*002#0035 TPSD687*002#0035 TPSD687*002#0035	B B B D Y D F Y D E E	150 220 220 220 220 220 330 470 470 470 680 680	2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	85 85 85 85 85 85 85 85	2.5 Vol 1.7 1.7 1.7 1.7 1.7	125 125 125 125 125	2.5 3 4.4	8	200	1	0.753		
TPSB157*002#0150 TPSB227*002#0150 TPSB227*002#0200 TPSB227*002#0600 TPSD227*002#0045 TPSD227*002#0045 TPSD477*002#0035 TPSF477*002#0100 TPSD687*002#0035 TPSD687*002#0035 TPSD687*002#0035 TPSD687*002#0035 TPSD687*002#0035	B B B D Y D F Y D E E	150 220 220 220 220 220 330 470 470 470 680 680	2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	85 85 85 85 85 85 85	1.7 1.7 1.7 1.7 1.7	125 125 125 125	3 4.4	10	150	1	0.753		
TPSB227*002#0150 TPSB227*002#0200 TPSB227*002#0600 TPSD227*002#0045 TPSY337*002#0040 TPSD477*002#0035 TPSF477*002#0000 TPSD687*002#0035 TPSD687*002#0035 TPSD687*002#0035 TPSE687*002#0035 TPSE687*002#0030 TPSY477*002#0030	B B D Y D F Y D D D E	220 220 220 220 330 470 470 470 680 680	2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	85 85 85 85 85 85	1.7 1.7 1.7 1.7	125 125	4.4					0.677	
TPSB227*002#0200 TPSB227*002#0600 TPSD227*002#0045 TPSY337*002#0040 TPSD477*002#0035 TPSF477*002#0200 TPSY477*002#0100 TPSD687*002#0035 TPSE687*002#0035 TPSE687*002#0036 TPSE687*002#0036 TPSY687*002#0036	B B D Y D F Y D D D E E	220 220 220 330 470 470 470 680 680	2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	85 85 85 85 85	1.7 1.7 1.7	125		16	1 150 1		1 0 750		0.301
TPSB227*002#0600 TPSD227*002#0045 TPSY337*002#0040 TPSD477*002#0035 TPSF477*002#0100 TPSY477*002#0100 TPSD687*002#0035 TPSD687*002#0035 TPSE687*002#0035 TPSE687*002#0035 TPSE687*002#0035 TPSE687*002#0035	B D Y D F Y D D D E	220 220 330 470 470 470 680 680	2.5 2.5 2.5 2.5 2.5 2.5	85 85 85 85	1.7 1.7		4.4	16	200	1	0.753	0.677 0.587	0.301
TPSD227*002#0045 TPSY337*002#0040 TPSD477*002#0035 TPSF477*002#0200 TPSY477*002#0100 TPSD687*002#0035 TPSD687*002#0050 TPSE687*002#0035 TPSE687*002#0050 TPSY687*002#0050	D Y D F Y D D E	220 330 470 470 470 680 680	2.5 2.5 2.5 2.5 2.5	85 85 85	1.7	120	4.4	16	600	1	0.032	0.339	0.261
TPSY337*002#0040 TPSD477*002#0035 TPSF477*002#0200 TPSY477*002#0100 TPSD687*002#0035 TPSD687*002#0050 TPSE687*002#0035 TPSE687*002#0050 TPSY687*002#0050 TPSY687*002#0100	D F Y D D E E	330 470 470 470 680 680	2.5 2.5 2.5 2.5	85 85	1.7	125	5.5	8	45	1	1.826	1.643	0.730
TPSF477*002#0200 TPSY477*002#0100 TPSD687*002#0035 TPSD687*002#0035 TPSE687*002#0035 TPSE687*002#0050 TPSY687*002#0100	F Y D D E E	470 470 680 680	2.5 2.5			125	8.2	8	40	11)	1.768	1.591	0.707
TPSY477*002#0100 TPSD687*002#0035 TPSD687*002#0050 TPSE687*002#0035 TPSE687*002#0050 TPSY687*002#0100	Y D D E E	470 680 680	2.5	25	1.7	125	11.6	8	35	1	2.070	1.863	0.828
TPSD687*002#0035 TPSD687*002#0050 TPSE687*002#0035 TPSE687*002#0050 TPSY687*002#0100	D D E E	680 680			1.7	125	11.8	12	200	1	0.707	0.636	0.283
TPSD687*002#0050 TPSE687*002#0035 TPSE687*002#0050 TPSY687*002#0100	D E E	680	0 -	85	1.7	125	11	12	100	11)	1.118	1.006	0.447
TPSE687*002#0035 TPSE687*002#0050 TPSY687*002#0100	E E		2.5 2.5	85 85	1.7	125 125	17 17	16 16	35 50	1	2.070 1.732	1.863 1.559	0.828
TPSE687*002#0050 TPSY687*002#0100	Е	680	2.5	85	1.7	125	17	10	35	11)	2.171	1.954	0.868
TPSY687*002#0100		680	2.5	85	1.7	125	17	10	50	11)	1.817	1.635	0.727
	Υ	680	2.5	85	1.7	125	17	12	100	1 1)	1.118	1.006	0.447
	Е	1000	2.5	85	1.7	125	25	14	30	1 ¹⁾	2.345	2.111	0.938
	Е	1000	2.5	85	1.7	125	25	14	40	11)	2.031	1.828	0.812
	Y	1000	2.5	85	1.7	125	25 27 F	30	100	11)	1.118	1.006	0.447
	D E	1500 1500	2.5 2.5	85 85	1.7	125 125	37.5 37.5	60 20	100 50	1 1 ¹⁾	1.125	1.102 1.635	0.490
	V	1500	2.5	85	1.7	125	30	20	30	1 1)	2.887	2.598	1.155
	V	1500	2.5	85	1.7	125	30	20	40	1 1)	2.500	2.250	1.000
		.000	2.0			@ 85°C	00					2.200	1.000
	R	10	4	85	2.7	125	0.5	6	3000	1	0.135	0.122	0.054
	Α	47	4	85	2.7	125	1.9	8	500	1	0.387	0.349	0.155
	В	100	4	85	2.7	125	4	8	200		0.652	0.587	0.261
	ВВ	100 100	4	85 85	2.7	125 125	4	8	250 350	1	0.583	0.525	0.233
	В	100	4	85	2.7	125	4	8	500	1	0.493	0.371	0.197
	W	100	4	85	2.7	125	4	6	100	1	0.949	0.854	0.103
	В	150	4	85	2.7	125	6	10	250	1	0.583	0.525	0.233
	С	150	4	85	2.7	125	6	6	70	1	1.254	1.128	0.501
	С	150	4	85	2.7	125	6	6	80	1	1.173	1.055	0.469
	D	220	4	85	2.7	125	8.8	8	40	1	1.936	1.743	0.775
	D D	220 220	4	85 85	2.7	125 125	8.8 8.8	8	50 100	1	1.732 1.225	1.559 1.102	0.693
	Y	220	4	85	2.7	125	8.8	8	40	11)	1.768	1.591	0.490
	Ÿ	220	4	85	2.7	125	8.8	8	50	1 1)	1.581	1.423	0.632
	Υ	220	4	85	2.7	125	8.8	8	75	1 1)	1.291	1.162	0.516
	С	330	4	85	2.7	125	13.2	8	100	1	1.049	0.944	0.420
	D	330	4	85	2.7	125	13.2	8	35		2.070	1.863	0.828
	D	330	4	85	2.7	125	13.2	8	45	1	1.826	1.643	0.730
	D F	330 330	4	85 85	2.7	125 125	13.2 13.2	8 10	100 200	1	0.707	1.102 0.636	0.490
	X	330	4	85	2.7	125	13.2	8	100	11)	1.000	0.900	0.400
	D	470	4	85	2.7	125	18.8	12	45	1	1.826	1.643	0.730
TPSD477*004#0100	D	470	4	85	2.7	125	18.8	12	100	1	1.225	1.102	0.490
	E	470	4	85	2.7	125	18.8	10	35	11)	2.171	1.954	0.868
	E	470	4	85	2.7	125	18.8	10	45	11)	1.915	1.723	0.766
	E	470 680	4	85	2.7	125	18.8	10	100	1 ¹⁾	1.285	1.156	0.514
	D D	680 680	4	85 85	2.7	125 125	27.2 27.2	14 14	45 60	1	1.826 1.581	1.643 1.423	0.730
	D	680	4	85	2.7	125	27.2	14	100	1	1.225	1.102	0.032
	E	680	4	85	2.7	125	27.2	10	40	11)	2.031	1.828	0.812
TPSE687*004#0060	Е	680	4	85	2.7	125	27.2	10	60	1 ¹⁾	1.658	1.492	0.663
	E	680	4	85	2.7	125	27.2	10	100	11)	1.285	1.156	0.514
	E	1000	4	85	2.7	125	40	14	40	11)	2.031	1.828	0.812
	E V	1000 1000	4	85 85	2.7	125 125	40 40	14 16	60 25	1 ¹⁾	1.658 3.162	1.492 2.846	0.663
	V	1000	4	85	2.7	125	40	16	35	11)	2.673	2.405	1.265
	V	1000	4	85	2.7	125	40	16	40	11)	2.500	2.250	1.000
	V	1000	4	85	2.7	125	40	16	50	1 1)	2.236	2.012	0.894
TPSE158*004#0050	Е	1500	4	85	2.7	125	60	30	50	11)	1.817	1.635	0.727
	Е	1500	4	85	2.7	125	60	30	75	11)	1.483	1.335	0.593
	V	1500	4	85	2.7	125	60	30	50	11)	2.236	2.012	0.894
TPSV158M004#0075	V	1500	4	85	2.7	125 It @ 85°C	60	30	75	11)	1.826	1.643	0.730
TPSR225*006#7000	R	2.2	6.3	85	4	125	0.5	6	7000	1	0.089	0.080	0.035
	A	3.3	6.3	85	4	125	0.5	6	2100	1	0.189	0.170	0.033
	S	4.7	6.3	85	4	125	0.5	6	4000	1	0.127	0.115	0.051





TPSA106*006#1500 A 10 6.3 85 4 125 0.6 6 1500 1	25°C 0.204	85°C	
TPSA685*006#1800 A 6.8 6.3 85 4 125 0.5 6 1800 1 (TPSA106*006#1500 A 10 6.3 85 4 125 0.6 6 1500 1 (0.204	03 C	125°C
	0.204	0.184	0.082
TDSR106*006#1500 R 10 R2 05 4 105 06 6 1500 4 6	0.224	0.201	0.089
	0.238	0.214	0.095
	0.235	0.211	0.094
	0.191	0.172	0.077
	0.135 0.283	0.122	0.054
	0.327	0.295	0.113
	0.224	0.201	0.089
	0.387	0.349	0.155
	0.289	0.260	0.115
	0.476	0.428	0.190
	0.376	0.339	0.151
	0.469	0.422	0.188
	0.269	0.242	0.107
	0.354	0.318	0.141
	0.583	0.525	0.233
	0.493 0.435	0.444	0.197
	0.433	0.339	0.174
	0.316	0.285	0.131
	0.306	0.276	0.122
TPSB476*006#0250 B 47 6.3 85 4 125 3 6 250 1 0	0.583	0.525	0.233
TPSB476*006#0350 B 47 6.3 85 4 125 3 6 350 1 0	0.493	0.444	0.197
	0.412	0.371	0.165
	0.606	0.545	0.242
	0.258	0.232	0.103
	0.583	0.525	0.233
	0.493	0.444	0.197
	0.412	0.371	0.165
11 00000 00000100 0 00 010 00 1 120 110 0 100 1	0.856 0.742	0.771	0.343
	0.742	0.814	0.297
	0.849	0.764	0.339
	0.600	0.540	0.240
	0.583	0.525	0.233
	0.461	0.415	0.184
	1.211	1.090	0.484
	0.856	0.771	0.343
	0.707	0.636	0.283
	0.949	0.854	0.379
	0.775	0.697	0.310
	1.118	1.006	0.447
	1.483	1.335	0.593
	0.856	0.995	0.442
	0.742	0.667	0.297
	0.663	0.597	0.265
	1.732	1.559	0.693
	1.095	0.986	0.438
TPSY157*006#0040 Y 150 6.3 85 4 125 9.5 6 40 1 ¹⁾	1.768	1.591	0.707
	1.581	1.423	0.632
	1.254	1.128	0.501
	1.049	0.944	0.420
	0.938	0.844	0.375
	0.663	0.597	0.265
	1.732	1.559	0.693
	1.225	1.102 0.986	0.490
	1.285	1.156	0.438
	0.707	0.636	0.283
	1.118	1.006	0.447
	0.913	0.822	0.365
	1.173	1.055	0.469
	1.049	0.944	0.420
TPSD337*006#0045 D 330 6.3 85 4 125 20.8 8 45 1	1.826	1.643	0.730
	1.732	1.559	0.693
	1.464	1.317	0.586
TPSD337*006#0100 D 330 6.3 85 4 125 20.8 8 100 1	1.225	1.102	0.490
	1.817	1.635	0.727
TPSE337*006#0100 E 330 6.3 85 4 125 20.8 8 100 1 ⁻¹ 1	1.285	1.156	0.514





Part No.	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR Max.	MOL	100kHz	RMS Curi	rent (A)
TDCE227*006#040F	Size	· (μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	MSL	25°C	85°C	125°C
TPSE337*006#0125	Е	330	6.3	85	4	125	20.8	8	125	11)	1.149	1.034	0.460
TPSE337*006#0150	Ε	330	6.3	85	4	125	20.8	8	150	11)	1.049	0.944	0.420
TPSV337*006#0100	V	330	6.3	85	4	125	20.8	8	100	11)	1.581	1.423	0.632
TPSY337*006#0075	Υ	330	6.3	85	4	125	20.8	12	75	1 ¹⁾	1.291	1.162	0.516
TPSY337*006#0100 TPSY337*006#0150	Y	330 330	6.3 6.3	85 85	4	125 125	20.8	12 12	100 150	11)	0.913	1.006 0.822	0.447
TPSD477*006#0150	D	470	6.3	85	4	125	28	12	45	1	1.826	1.643	0.730
TPSD477*006#0043	D	470	6.3	85	4	125	28	12	60	1	1.581	1.423	0.632
TPSD477*006#0100	D	470	6.3	85	4	125	28	12	100	1	1.225	1.102	0.490
TPSD477*006#0200	D	470	6.3	85	4	125	28	12	200	1	0.866	0.779	0.346
TPSE477*006#0045	Е	470	6.3	85	4	125	28	10	45	1 ¹⁾	1.915	1.723	0.766
TPSE477*006#0050	E	470	6.3	85	4	125	28	10	50	11)	1.817	1.635	0.727
TPSE477*006#0060	E	470	6.3	85	4	125	28	10	60	11)	1.658	1.492	0.663
TPSE477*006#0100	E	470	6.3	85	4	125	28	10	100	11)	1.285	1.156	0.514
TPSE477*006#0200	E	470	6.3	85	4	125	28	10	200	11)	0.908	0.817	0.363
TPSV477*006#0040	V	470 470	6.3	85 85	4	125	28 28	10	40 55	1 ¹⁾	2.500	2.250	1.000
TPSV477*006#0055 TPSV477*006#0100	V	470	6.3 6.3	85	4	125 125	28	10	100	11)	1.581	1.919 1.423	0.853
TPSY477*006#0100	Y	470	6,3	85	4	125	28.2	20	150	11)	0.913	0.822	0.032
TPSE687*006#0045	E	680	6.3	85	4	125	42.8	10	45	1 1)	1.915	1.723	0.766
TPSE687*006#0045	Ė	680	6.3	85	4	125	42.8	10	60	11)	1.658	1.492	0.663
TPSE687*006#0100	Ē	680	6.3	85	4	125	42.8	10	100	11)	1.285	1.156	0.514
TPSV687*006#0035	V	680	6.3	85	4	125	42.8	14	35	11)	2.673	2.405	1.069
TPSV687*006#0040	V	680	6.3	85	4	125	42.8	10	40	11)	2.500	2.250	1.000
TPSV687*006#0050	V	680	6.3	85	4	125	42.8	10	50	11)	2.236	2.012	0.894
TPSE108M006#0100	Е	1000	6.3	85	4	125	60	20	100	11)	1.285	1.156	0.514
TPSV108M006#0040	V	1000	6.3	85	4	125	60	16	40	11)	2.500	2.250	1.000
TPSV108M006#0050	V	1000	6.3	85	4	125	60	16	50	11)	2.236	2.012	0.894
						t @ 85°C							
TPSR105*010#9000	R	11	10	85	7	125	0.5	4	9000	1	0.078	0.070	0.031
TPSA225*010#1800	A	2.2	10	85	7	125	0.5	6	1800	1	0.204	0.184	0.082
TPST335*010#1500		3.3	10	85	7	125	0.5	6	1500	1	0.231	0.208	0.092
TPSA475*010#1400 TPSB475*010#1400	A B	4.7	10	85 85	7	125 125	0.5	6	1400	1	0.231	0.208	0.093
TPSR475*010#3000	R	4.7	10	85	7	125	0.5	6	3000	1	0.135	0.122	0.054
TPSR475*010#5000	R	4.7	10	85	7	125	0.5	6	5000	1	0.105	0.094	0.042
TPSA685*010#1800	A	6.8	10	85	7	125	0.7	6	1800	1	0.204	0.184	0.082
TPSB685*010#1300	В	6.8	10	85	7	125	0.7	6	1300	1	0.256	0.230	0.102
TPST685*010#1800	Т	6.8	10	85	7	125	0.7	6	1800	1	0.211	0.190	0.084
TPSA106*010#0900	Α	10	10	85	7	125	1	6	900	1	0.289	0.260	0.115
TPSA106*010#1800	Α	10	10	85	7	125	1	6	1800	1	0.204	0.184	0.082
TPSB106*010#1000	В	10	10	85	7	125	1	6	1000	1	0.292	0.262	0.117
TPSP106M010#2000	Р	10	10	85	7	125	1	8	2000	1	0.173	0.156	0.069
TPSS106*010#0900	S	10	10	85	7	125	1	8	900	1	0.269	0.242	0.107
TPST106*010#1000	T	10	10	85	7	125	1	6	1000	1	0.283	0.255	0.113
TPST106*010#2000 TPSA156*010#1000	A	10 15	10 10	85 85	7	125 125	1.5	6	1000	1	0.200	0.180	0.080
TPSB156*010#1000	B	15	10	85	7	125	1.5	6	450	1	0.435	0.391	0.174
TPSB156*010#0450 TPSB156*010#0600	В	15	10	85	7	125	1.5	6	600	1	0.435		0.174
TPSC156*010#0700	C	15	10	85	7	125	1.5	6	700	1	0.396	0.357	0.159
TPST156*010#1200	T	15	10	85	7	125	1.5	8	1200	1	0.258	0.232	0.103
TPSA226*010#0900	A	22	10	85	7	125	2.2	8	900	1	0.289	0.260	0.115
TPSB226*010#0400	В	22	10	85	7	125	2.2	6	400	1	0.461	0.415	0.184
TPSB226*010#0500	В	22	10	85	7	125	2.2	6	500	1	0.412	0.371	0.165
TPSB226*010#0700	В	22	10	85	7	125	2.2	6	700	1	0.348	0.314	0.139
TPSC226*010#0300	С	22	10	85	7	125	2.2	6	300	1	0.606	0.545	0.242
TPST226*010#0800	T	22	10	85	7	125	2.2	8	800	1	0.316	0.285	0.126
TPSA336*010#0700	<u>A</u>	33	10	85	7	125	3.3	8	700	1	0.327	0.295	0.131
TPSB336*010#0250	В	33	10	85	7	125	3.3	6	250	1	0.583	0.525	0.233
TPSB336*010#0425	В	33	10	85	7	125	3.3	6	425	1	0.447	0.402	0.179
TPSB336*010#0500 TPSB336*010#0650	В	33	10	85	7	125	3.3	6	500	1	0.412	0.371	0.165
TPSB336*010#0650 TPSC336*010#0150	B C	33 33	10 10	85 85	7	125 125	3.3	6	650 150	1	0.362	0.325	0.145
	C	33	10	85	7	125	3.3	6	375	1	0.856	0.771	0.343
TEXT:3340,111(1#1)3/2	C	33	10	85	7	125	3.3	6	500	1	0.342	0.422	0.217
TPSC336*010#0375		33	10	85	7	125	3.3	6	350	1	0.409	0.456	0.100
TPSC336*010#0500	\/\/		1 ()	00							0.001	U.TUU	
TPSC336*010#0500 TPSW336*010#0350	W B			85	7	125	4 7	8	250	1	0.583	0.525	1 ().233 -
TPSC336*010#0500 TPSW336*010#0350 TPSB476*010#0250	В	47	10	85 85	7	125 125	4.7	8	250 350	1	0.583	0.525	0.233
TPSC336*010#0500 TPSW336*010#0350 TPSB476*010#0250 TPSB476*010#0350	B B		10 10	85	7	125	4.7	8	350	1 1	0.493	0.444	0.197
TPSC336*010#0500 TPSW336*010#0350 TPSB476*010#0250	В	47 47	10							1			





AVX	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR Max.		100kHz	z RMS Cur	rent (A)
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	MSL	25°C	85°C	125°C
TPSC476*010#0350	С	47	10	85	7	125	4.7	6	350	1	0.561	0.505	0.224
TPSD476*010#0100	D	47	10	85	7	125	4.7	6	100	11	1.225	1.102	0.490
TPSD476*010#0300	D	47	10	85	7	125	4.7	6	300	1	0.707	0.636	0.283
TPSW476*010#0125	W	47	10	85	7	125	4.7	6	125	1	0.849	0.764	0.339
TPSW476*010#0150	W	47	10	85	7	125	4.7	6	150	11	0.775	0.697	0.310
TPSW476*010#0250	W	47	10	85	7	125	4.7	6	250	1	0.600	0.540	0.240
TPSB686*010#0600	В	68	10	85	7	125	6.8	8	600		0.376	0.339	0.151
TPSC686*010#0080	C	68	10	85	7	125	6.8	6	80		1.173	1.055	0.469
TPSC686*010#0100	C	68	10	85	7	125	6.8	6	100	1	1.049	0.944	0.420
TPSC686*010#0200	C	68	10	85	7	125	6.8	6	200	1	0.742	0.667	0.297
TPSC686*010#0300	C	68	10	85	7	125	6.8	6	300	1	0.606	0.545	0.242
TPSD686*010#0100	D	68 68	10 10	85 85	7	125 125	6.8 6.8	6	100 150	1	1.225	1.102	0.490
TPSD686*010#0150 TPSY686*010#0100	Y	68	10	85	7	125	6.8	6	100	11)	1.118	1.006	0.400
TPSY686*010#0200	Y	68	10	85	7	125	6.8	6	200	11)	0.791	0.712	0.447
TPSW686*010#0100	W	68	10	85	7	125	6.8	6	100	1	0.949	0.854	0.379
TPSW686*010#0150	W	68	10	85	7	125	6.8	6	150	1	0.949	0.697	0.310
TPSB107*010#0400	В	100	10	85	7	125	10	8	400	1	0.461	0.415	0.184
TPSC107*010#0075	C	100	10	85	7	125	10	8	75	1	1.211	1.090	0.484
TPSC107*010#0100	C	100	10	85	7	125	10	8	100	1	1.049	0.944	0.420
TPSC107*010#0150	C	100	10	85	7	125	10	8	150	1	0.856	0.771	0.343
TPSC107*010#0200	C	100	10	85	7	125	10	8	200	1	0.742	0.667	0.297
TPSD107*010#0050	D	100	10	85	7	125	10	6	50	1	1.732	1.559	0.693
TPSD107*010#0065	D	100	10	85	7	125	10	6	65	1	1.519	1.367	0.608
TPSD107*010#0080	D	100	10	85	7	125	10	6	80	1	1.369	1.232	0.548
TPSD107*010#0100	D	100	10	85	7	125	10	6	100	1	1.225	1.102	0.490
TPSD107*010#0125	D	100	10	85	7	125	10	6	125	1	1.095	0.986	0.438
TPSD107*010#0150	D	100	10	85	7	125	10	6	150	1	1.000	0.900	0.400
TPSE107*010#0125	E	100	10	85	7	125	10	6	125	11)	1.149	1.034	0.460
TPSW107*010#0150	W	100	10	85	7	125	10	6	150	1	0.775	0.697	0.310
TPSX107*010#0085	X	100	10	85	7	125	10	8	85	1 ¹⁾	1.085	0.976	0.434
TPSX107*010#0150	X	100	10	85	7	125	10	8	150	11)	0.816	0.735	0.327
TPSX107*010#0200	X	100	10	85	7	125	10	8	200	11)	0.707	0.636	0.283
TPSY107*010#0100	Y	100	10	85	7	125	10	6	100	11)	1.118	1.006	0.447
TPSY107*010#0150	Y	100	10	85	7	125	10	6	150	11)	0.913	0.822	0.365
TPSY107*010#0200	Υ	100	10	85	7	125	10	6	200	11)	0.791	0.712	0.316
TPSC157*010#0150	C	150	10	85	7	125	15	8	150	1	0.856	0.771	0.343
TPSD157*010#0050	D	150	10	85	7	125	15	8	50	1	1.732	1.559	0.693
TPSD157*010#0085	D	150	10	85	7	125	15	8	85		1.328	1.196	0.531
TPSD157*010#0100	D	150	10	85	7	125	15	8	100	1	1.225	1.102	0.490
TPSE157*010#0100	E	150	10	85	7	125	15	8	100	11)	1.285	1.156	0.514
TPSF157*010#0200	F	150 150	10	85 85	7	125 125	15 15	10	200 100	1 11)	1.000	0.636	0.283
TPSX157M010#0100 TPSY157*010#0100	X	150	10	85	7	125	15	6	100	11)	1.118	1.006	0.400
TPSY157*010#0150	Y	150	10	85	7	125	15	6	150	11)	0.913	0.822	0.365
TPSY157*010#0200	Y	150	10	85	7	125	15	6	200	11)	0.791	0.022	0.303
TPSD227*010#0040	D	220	10	85	7	125	22	8	40	1	1.936	1.743	0.775
TPSD227*010#0050	D	220	10	85	7	125	22	8	50	1	1.732	1.559	0.693
TPSD227*010#0100	D	220	10	85	7	125	22	8	100	1	1.225	1.102	0.490
TPSD227*010#0150	D	220	10	85	7	125	22	8	150	1	1.000	0.900	0.400
TPSE227*010#0050	E	220	10	85	7	125	22	8	50	11)	1.817	1.635	0.727
TPSE227*010#0060	Ē	220	10	85	7	125	22	8	60	11)	1.658	1.492	0.663
TPSE227*010#0070	Е	220	10	85	7	125	22	8	70	11)	1.535	1.382	0.614
TPSE227*010#0100	Е	220	10	85	7	125	22	8	100	1 ¹⁾	1.285	1.156	0.514
TPSE227*010#0125	Е	220	10	85	7	125	22	8	125	11)	1.149	1.034	0.460
TPSE227*010#0150	E	220	10	85	7	125	22	8	150	11)	1.049	0.944	0.420
TPSY227*010#0100	Υ	220	10	85	7	125	22	10	100	11)	1.118	1.006	0.447
TPSY227*010#0150	Y	220	10	85	7	125	22	10	150	11)	0.913	0.822	0.365
TPSY227*010#0200	Υ	220	10	85	7	125	22	10	200	11)	0.791	0.712	0.316
TPSD337*010#0050	D	330	10	85	7	125	33	8	50	1	1.732	1.559	0.693
TPSD337*010#0065	D	330	10	85	7	125	33	8	65		1.519	1.367	0.608
TPSD337*010#0100	D	330	10	85	7	125	33	8	100	1	1.225	1.102	0.490
TPSD337*010#0150	D	330	10	85	7	125	33	8	150	1	1.000	0.900	0.400
TPSE337*010#0040	E	330	10	85	7	125	33	8	40	11)	2.031	1.828	0.812
TPSE337*010#0050	E	330	10	85	7	125	33	8	50	11)	1.817	1.635	0.727
TPSE337*010#0060	E	330	10	85	7	125	33	8	60	11)	1.658	1.492	0.663
TPSE337*010#0100	E	330	10	85	7	125	33	8	100	1 ¹⁾	1.285	1.156	0.514
TPSV337*010#0040	V	330	10	85	7	125	33	10	40	1 ¹⁾	2.500	2.250	1.000
TPSV337*010#0060 TPSV337*010#0100	V	330 330	10 10	85	7	125 125	33 33	10	60	11)	2.041	1.837	0.816
TPSE477*010#01045	E	470	10	85 85	7	125	47	10	100 45	11)	1.581	1.423	0.632
TPSE477 010#0045	E	470	10	85	7	125	47	10	50	11)	1.817	1.635	0.766
1506411 010#0000		4/0	10	00	_ /	120	41		l 50	Ι΄	1.01/	1.035	0.121





AVX	Case	Capacitance	Rated	Rated Temperature	Category Voltage	Category	DCL Max.	DF May	ESR Max.	MSL	100kHz	RMS Cur	rent (A)
Part No.	Size	. (μF)	Voltage (V)	(°C)	(V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	WSL	25°C	85°C	125°C
TPSE477*010#0060	Е	470	10	85	7	125	47	10	60	11)	1.658	1.492	0.663
TPSE477*010#0100	Е	470	10	85	7	125	47	10	100	11)	1.285	1.156	0.514
TPSE477*010#0200	E	470	10	85	7	125	47	10	200	11)	0.908	0.817	0.363
TPSV477*010#0040	V	470	10	85	7	125	47	10	40	11)	2.500	2.250	1.000
TPSV477*010#0060	V	470	10	85	7	125	47	10	60	11)	2.041	1.837	0.816
TPSV477*010#0100	V	470	10	85	7	125	47	10	100	11)	1.581	1.423	0.632
PSE687M010#0150V	E	680	10	85	7	125	68	18	150	3	1.049	0.944	0.420
TPSV687M010#0100V	V	680	10	85	7	125	68	18	100	3	1.581	1.423	0.632
TD0 \ 10 E * 01 C C 00 C	Ι Λ	4	10	0.5		t @ 85°C	٥٢	1 4	1 0000 1	4	1 0 1 1 0 1	0.000	T 0 0 4 4
TPSA105*016#6200	Α	2.2	16 16	85 85	10	125	0.5	6	6200	<u> </u>	0.110	0.099	0.044
TPSA225*016#1800	Α		16		10	125 125			1800	1	0.204	0.184	0.082
TPSA225*016#3500 TPST225*016#2000	A	2.2	16	85 85	10	125	0.5 0.5	6	3500 2000	1	0.146	0.132	0.039
TPSA335*016#3500	A	3.3	16	85	10	125	0.5	6	3500	1	0.200	0.132	0.059
TPSB335*016#2500	В	3.3	16	85	10	125	0.5	6	2500	1	0.140	0.166	0.039
TPSA475*016#2000	A	4.7	16	85	10	125	0.8	6	2000	1	0.194	0.174	0.074
TPSB475*016#0800	В	4.7	16	85	10	125	0.8	6	800	1	0.326	0.174	0.130
TPSB475*016#1500	В	4.7	16	85	10	125	0.8	6	1500	1	0.238	0.214	0.095
TPSA685*016#1500	A	6.8	16	85	10	125	1.1	6	1500	1	0.224	0.214	0.089
TPSB685*016#0600	В	6.8	16	85	10	125	1.1	6	600	1	0.224	0.201	0.089
TPSB685*016#1200	В	6.8	16	85	10	125	1.1	6	1200	1	0.266	0.339	0.131
TPSA106*016#1000	A	10	16	85	10	125	1.6	6	1000	1	0.274	0.246	0.110
TPSB106*016#0500	В	10	16	85	10	125	1.6	6	500	1	0.412	0.240	0.110
TPSB106*016#0800	В	10	16	85	10	125	1.6	6	800	1	0.412	0.293	0.130
TPSC106*016#0500	C	10	16	85	10	125	1.6	6	500	1	0.469	0.422	0.188
TPST106*016#0800	T	10	16	85	10	125	1.6	8	800	1	0.316	0.422	0.126
TPST106*016#1000	Ť	10	16	85	10	125	1.6	8	1000	1	0.283	0.255	0.120
TPSW106*016#0500	W	10	16	85	10	125	1.6	6	500	1	0.424	0.382	0.170
TPSW106*016#0600	W	10	16	85	10	125	1.6	6	600	1	0.387	0.349	0.155
TPSB156*016#0500	В	15	16	85	10	125	2.4	6	500	1	0.412	0.371	0.165
TPSB156*016#0800	В	15	16	85	10	125	2.4	6	800	1	0.326	0.293	0.130
TPSC156*016#0300	C	15	16	85	10	125	2.4	6	300	1	0.606	0.545	0.242
TPSC156*016#0700	Č	15	16	85	10	125	2.4	6	700	1	0.396	0.357	0.159
TPSB226*016#0400	В	22	16	85	10	125	3.5	6	400	1	0.461	0.415	0.184
TPSB226*016#0600	В	22	16	85	10	125	3.5	6	600	1	0.376	0.339	0.151
TPSC226*016#0150	C	22	16	85	10	125	3.5	6	150	1	0.856	0.771	0.343
TPSC226*016#0250	Č	22	16	85	10	125	3.5	6	250	1	0.663	0.597	0.265
TPSC226*016#0300	Č	22	16	85	10	125	3.5	6	300	1	0.606	0.545	0.242
TPSC226*016#0375	C	22	16	85	10	125	3.5	6	375	1	0.542	0.487	0.217
TPSD226*016#0700	D	22	16	85	10	125	3.5	6	700	1	0.463	0.417	0.185
TPSW226*016#0500	W	22	16	85	10	125	3.5	6	500	1	0.424	0.382	0.170
TPSB336*016#0350	В	33	16	85	10	125	5.3	8	350	1	0.493	0.444	0.197
TPSB336*016#0500	В	33	16	85	10	125	5.3	8	500	1	0.412	0.371	0.165
TPSC336*016#0100	С	33	16	85	10	125	5.3	6	100	1	1.049	0.944	0.420
TPSC336*016#0150	С	33	16	85	10	125	5.3	6	150	1	0.856	0.771	0.343
TPSC336*016#0225	С	33	16	85	10	125	5.3	6	225	1	0.699	0.629	0.280
TPSC336*016#0300	С	33	16	85	10	125	5.3	6	300	1	0.606	0.545	0.242
TPSD336*016#0200	D	33	16	85	10	125	5.3	6	200	1	0.866	0.779	0.346
TPSW336*016#0140	W	33	16	85	10	125	5.3	6	140	1	0.802	0.722	0.321
TPSW336*016#0175	W	33	16	85	10	125	5.3	6	175	1	0.717	0.645	0.287
TPSW336*016#0250	W	33	16	85	10	125	5.3	6	250	1	0.600	0.540	0.240
TPSW336*016#0400	W	33	16	85	10	125	5.3	6	400	1	0.474	0.427	0.190
TPSW336*016#0500	W	33	16	85	10	125	5.3	6	500	1	0.424	0.382	0.170
TPSY336*016#0300	Υ	33	16	85	10	125	5.3	6	300	11)	0.645	0.581	0.258
TPSY336*016#0400	Υ	33	16	85	10	125	5.3	6	400	11)	0.559	0.503	0.224
TPSC476*016#0110	С	47	16	85	10	125	7.5	6	110	1	1.000	0.900	0.400
TPSC476*016#0350	С	47	16	85	10	125	7.5	6	350	1	0.561	0.505	0.224
TPSD476*016#0080	D	47	16	85	10	125	7.5	6	80	1	1.369	1.232	0.548
TPSD476*016#0100	D	47	16	85	10	125	7.5	6	100	1	1.225	1.102	0.490
TPSD476*016#0150	D	47	16	85	10	125	7.5	6	150	1	1.000	0.900	0.400
TPSD476*016#0200	D	47	16	85	10	125	7.5	6	200	1	0.866	0.779	0.346
TPSW476*016#0200	W	47	16	85	10	125	7.5	6	200	1	0.671	0.604	0.268
TPSX476*016#0180	X	47	16	85	10	125	7.5	6	180	11)	0.745	0.671	0.298
TPSY476*016#0250	Υ	47	16	85	10	125	7.5	6	250	11)	0.707	0.636	0.283
TPSC686*016#0125	С	68	16	85	10	125	10.9	6	125	1	0.938	0.844	0.375
TPSC686*016#0200	С	68	16	85	10	125	10.9	6	200	1	0.742	0.667	0.297
TPSD686*016#0070	D	68	16	85	10	125	10.9	6	70	11	1.464	1.317	0.586
TPSD686*016#0100	D	68	16	85	10	125	10.9	6	100	1	1.225	1.102	0.490
TPSD686*016#0150	D	68	16	85	10	125	10.9	6	150	1	1.000	0.900	0.400
TPSF686*016#0200	F	68	16	85	10	125	10.9	10	200	1	0.707	0.636	0.283
TPSX686*016#0150	Χ	68	16	85	10	125	10.9	8	150	11)	0.816	0.735	0.327
TPSY686*016#0150	Υ	68	16	85	10	125	10.9	6	150	11)	0.913	0.822	0.365





AVX	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR Max.		100kH	z RMS Cur	rent (A)
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	MSL	25°C	85°C	125°C
TPSY686*016#0200	Υ	68	16	85	10	125	10.9	6	200	11)	0.791	0.712	0.316
TPSY686*016#0250	Υ	68	16	85	10	125	10.9	6	250	11)	0.707	0.636	0.283
TPSC107*016#0200	C	100	16	85	10	125	16	8	200	1	0.742	0.667	0.297
TPSD107*016#0060	D	100	16	85	10	125	16	6	60	1	1.581	1.423	0.632
TPSD107*016#0100	D D	100	16 16	85 85	10 10	125 125	16 16	6	100 125	1	1.225	1.102	0.490
TPSD107*016#0125 TPSD107*016#0150	D	100	16	85	10	125	16	6	150	1	1.000	0.986	0.438
TPSE107*016#0055	E	100	16	85	10	125	16	6	55	1 ¹⁾	1.732	1.559	0.693
TPSE107*016#0100	Ē	100	16	85	10	125	16	6	100	11)	1.285	1.156	0.514
TPSE107*016#0125	Е	100	16	85	10	125	16	6	125	11)	1.149	1.034	0.460
TPSE107*016#0150	Е	100	16	85	10	125	16	6	150	11)	1.049	0.944	0.420
TPSF107M016#0150	F	100	16	85	10	125	16	10	150	1	0.816	0.735	0.327
TPSF107M016#0200	F	100	16	85	10	125	16	10	200	1	0.707	0.636	0.283
TPSY107*016#0100 TPSY107*016#0150	Y	100	16 16	85 85	10	125 125	16 16	8	100 150	1 ¹⁾	1.118 0.913	1.006 0.822	0.447
TPSY107*016#0200	Y	100	16	85	10	125	16	8	200	11)	0.791	0.022	0.303
TPSD157*016#0060	Ď	150	16	85	10	125	24	6	60	1	1.581	1.423	0.632
TPSD157*016#0085	D	150	16	85	10	125	24	6	85	1	1.328	1.196	0.531
TPSD157*016#0100	D	150	16	85	10	125	24	6	100	1	1.225	1.102	0.490
TPSD157*016#0125	D	150	16	85	10	125	24	6	125	1	1.095	0.986	0.438
TPSD157*016#0150	D	150	16	85	10	125	23	8	150	1	1.000	0.900	0.400
TPSE157*016#0100	E	150	16	85	10	125	24	6	100	1 1)	1.285	1.156	0.514
TPSV157*016#0045 TPSV157*016#0075	V	150 150	16 16	85 85	10 10	125 125	24 24	8	45 75	1 ¹⁾	2.357 1.826	2.121 1.643	0.943
TPSY157 016#0075	Y	150	16	85	10	125	24	15	200	11)	0.791	0.712	0.730
TPSE227*016#0100	Ė	220	16	85	10	125	35.2	10	100	1 1)	1.285	1.156	0.514
TPSE227*016#0150	Ē	220	16	85	10	125	35.2	10	150	11)	1.049	0.944	0.420
TPSV227*016#0050	V	220	16	85	10	125	35.2	8	50	1 1)	2.236	2.012	0.894
TPSV227*016#0075	V	220	16	85	10	125	35.2	8	75	11)	1.826	1.643	0.730
TPSV227*016#0100	V	220	16	85	10	125	35.2	8	100	11)	1.581	1.423	0.632
TPSV227*016#0150	V	220	16	85	10	125	35.2	8	150	11)	1.291	1.162	0.516
TPSE337M016#0200	E	330	16	85	10	125	52.8	30	200	1 ¹⁾	0.908	0.817	0.363
TPSA105*020#3000	Α	1	20	85	13	t @ 85°C 125	0.5	4	3000	1	0.158	0.142	0.063
TPSR105*020#6000	R	1	20	85	13	125	0.5	4	6000	1	0.136	0.086	0.003
TPSS105*020#6000	S	1	20	85	13	125	0.5	4	6000	1	0.104	0.094	0.042
TPST105*020#2000	Ť	1	20	85	13	125	0.5	4	2000	1	0.200	0.180	0.080
TPSA155*020#3000	Α	1.5	20	85	13	125	0.5	6	3000	1	0.158	0.142	0.063
TPSA225*020#3000	Α	2.2	20	85	13	125	0.5	6	3000	1	0.158	0.142	0.063
TPSB225*020#1700	В	2.2	20	85	13	125	0.5	6	1700	1	0.224	0.201	0.089
TPSA335*020#2500	A	3.3	20	85	13	125	0.7	6	2500	1	0.173	0.156	0.069
TPSB335*020#1300 TPSA475*020#1800	B A	3.3 4.7	20 20	85 85	13 13	125 125	0.7	6	1300 1800	1	0.256	0.230	0.102
TPSB475*020#1600	В	4.7	20	85	13	125	0.9	6	750	1	0.204	0.104	0.082
TPSB475*020#1000	В	4.7	20	85	13	125	0.9	6	1000	1	0.292	0.262	0.133
TPSA685*020#1000	A	6.8	20	85	13	125	1.4	6	1000	1	0.274	0.246	0.110
TPSB685*020#0600	В	6.8	20	85	13	125	1.4	6	600	1	0.376	0.339	0.151
TPSB685*020#1000	В	6.8	20	85	13	125	1.4	6	1000	1	0.292	0.262	0.117
TPSC685*020#0700	С	6.8	20	85	13	125	1.4	6	700	1	0.396		0.159
TPSB106*020#0500	В	10	20	85	13	125	2	6	500	1	0.412	0.371	0.165
TPSB106*020#1000	В	10	20	85	13	125	2	6	1000	1	0.292	0.262	0.117
TPSC106*020#0500 TPSC106*020#0700	C	10 10	20 20	85 85	13 13	125 125	2	6	500 700	1	0.469	0.422	0.188
TPSW106*020#0250	W	10	20	85	13	125	2	6	250	1	0.600	0.540	0.159
TPSW106*020#0230	W	10	20	85	13	125	2	6	500	1	0.424	0.340	0.240
TPSB156*020#0500	В	15	20	85	13	125	3	6	500	1	0.412	0.371	0.165
TPSC156*020#0400	C	15	20	85	13	125	3	6	400	1	0.524	0.472	0.210
TPSC156*020#0450	С	15	20	85	13	125	3	6	450	1	0.494	0.445	0.198
TPSB226*020#0400	В	22	20	85	13	125	4.4	6	400	1	0.461	0.415	0.184
TPSB226*020#0600	В	22	20	85	13	125	4.4	6	600	11	0.376	0.339	0.151
TPSC226*020#0100 TPSC226*020#0150	С	22	20	85	13	125	4.4	6	100	1	1.049	0.944	0.420
TPSC226*020#0150 TPSC226*020#0400	C	22 22	20 20	85 85	13 13	125 125	4.4	6	150 400	1	0.856	0.771	0.343
TPSD226*020#0400	D	22	20	85	13	125	4.4	6	200	1	0.866	0.472	0.210
TPSD226*020#0300	D	22	20	85	13	125	4.4	6	300	1	0.707	0.636	0.283
TPSC336*020#0300	C	33	20	85	13	125	6.6	6	300	1	0.606	0.545	0.242
TPSD336*020#0100	Ď	33	20	85	13	125	6.6	6	100	1	1.225	1.102	0.490
TPSD336*020#0200	D	33	20	85	13	125	6.6	6	200	1	0.866	0.779	0.346
TPSD476*020#0075	D	47	20	85	13	125	9.4	6	75	1	1.414	1.273	0.566
TPSD476*020#0100	D	47	20	85	13	125	9.4	6	100	1	1.225	1.102	0.490
TPSD476*020#0200	D	47	20	85	13	125	9.4	6	200	1	0.866	0.779	0.346





AVX	Case	Capacitance	Rated Voltage	Rated	Category Voltage	Category	DCL Max.	DF Max.	ESR Max.	MSL	100kHz	RMS Cur	rent (A)
Part No.	Size	(μ F)	(V)	Temperature (°C)	(V)	Temperature (°C)	Max. (μA)	(%)	@ 100kHz (mΩ)	MSL	25°C	85°C	125°C
TPSE476*020#0070	Е	47	20	85	13	125	9.4	6	70	1 ¹⁾	1.535	1.382	0.614
TPSE476*020#0125	E	47	20	85	13	125	9.4	6	125	1 ¹⁾	1.149	1.034	0.460
TPSE476*020#0150	E	47	20	85	13	125	9.4	6	150	11)	1.049	0.944	0.420
TPSE476*020#0200	E	47	20	85	13	125	9.4	6	200	1 ¹⁾	0.908	0.817	0.363
TPSE476*020#0250	E	47	20	85	13	125	9.4	6	250	11)	0.812	0.731	0.325
TPSX476*020#0200	X	47	20	85	13	125	9.4	6	200	11)	0.707	0.636	0.283
TPSD686*020#0070	D	68	20	85	13	125	13.6	6	70	1	1.464	1.317	0.586
TPSD686*020#0150	D	68	20	85	13	125	13.6	6	150	11	1.000	0.900	0.400
TPSD686*020#0200	D	68	20	85	13	125	13.6	6	200	1	0.866	0.779	0.346
TPSD686*020#0300	D	68	20	85	13	125	13.6	6	300	1	0.707	0.636	0.283
TPSE686*020#0125	Е	68	20	85	13	125	13.6	6	125	1 ¹⁾	1.149	1.034	0.460
TPSE686*020#0150	E	68	20	85	13	125	13.6	6	150	11)	1.049	0.944	0.420
TPSE686*020#0200	E	68	20	85	13	125	13.6	6	200	1 ¹⁾	0.908	0.817	0.363
TPSY686*020#0200	Y	68	20	85	13	125	13.6	6	200	11)	0.791	0.712	0.316
TPSD107*020#0085	D	100	20	85	13	125	20	6	85	11	1.328	1.196	0.531
ΓPSD107*020#0100	D	100	20	85	13	125	20	6	100	1	1.225	1.102	0.490
TPSD107*020#0150	D	100	20	85	13	125	20	6	150	1	1.000	0.900	0.400
ΓPSE107*020#0100	E	100	20	85	13	125	20	6	100	1 ¹⁾	1.285	1.156	0.514
TPSE107*020#0150	E	100	20	85	13	125	20	6	150	11)	1.049	0.944	0.420
TPSE107*020#0200	E	100	20	85	13	125	20	6	200	1 ¹⁾	0.908	0.817	0.363
TPSV107*020#0060	V	100	20	85	13	125	20	8	60	11)	2.041	1.837	0.816
TPSV107*020#0085	V	100	20	85	13	125	20	8	85	1 ¹⁾	1.715	1.543	0.686
TPSV107*020#0100	V	100	20	85	13	125	20	8	100	11)	1.581	1.423	0.632
TPSV107*020#0200	V	100	20	85	13	125	20	8	200	1 ¹⁾	1.118	1.006	0.447
TPSV157*020#0080	V	150	20	85	13	125	30	8	80	1 ¹⁾	1.768	1.591	0.707
					25 Vol	t @ 85°C							
TPSA474*025#7000	Α	0.47	25	85	17	125	0.5	4	7000	1	0.104	0.093	0.041
TPSA684*025#6000	Α	0.68	25	85	17	125	0.5	4	6000	1	0.112	0.101	0.045
TPSA105*025#4000	Α	1	25	85	17	125	0.5	4	4000	1	0.137	0.123	0.055
TPSR105*025#2500	R	1	25	85	17	125	0.5	4	2500	1	0.148	0.133	0.059
TPSR105*025#4000	R	1	25	85	17	125	0.5	4	4000	1	0.117	0.106	0.047
ΓPSA155*025#3000	Α	1.5	25	85	17	125	0.5	6	3000	1	0.158	0.142	0.063
TPSB155*025#1800	В	1.5	25	85	17	125	0.5	6	1800	1	0.217	0.196	0.087
ΓPSA225*025#2500	Α	2.2	25	85	17	125	0.6	6	2500	1	0.173	0.156	0.069
TPSB225*025#0900	В	2.2	25	85	17	125	0.6	6	900	1	0.307	0.277	0.123
PSB225*025#1200	В	2.2	25	85	17	125	0.6	6	1200	1	0.266	0.240	0.106
ΓPSB225*025#2500	В	2.2	25	85	17	125	0.6	6	2500	1	0.184	0.166	0.074
ΓPSA335*025#1000	Α	3.3	25	85	17	125	0.8	6	1000	1	0.274	0.246	0.110
TPSA335*025#1500	Α	3.3	25	85	17	125	0.8	6	1500	1	0.224	0.201	0.089
TPSB335*025#0750	В	3.3	25	85	17	125	0.8	6	750	1	0.337	0.303	0.135
TPSB335*025#1500	В	3.3	25	85	17	125	0.8	6	1500	1	0.238	0.214	0.095
TPSB335*025#2000	В	3.3	25	85	17	125	0.8	6	2000	1	0.206	0.186	0.082
TPSB475*025#0700	В	4.7	25	85	17	125	1.2	6	700	1	0.348	0.314	0.139
TPSB475*025#0900	В	4.7	25	85	17	125	1.2	6	900	1	0.307	0.277	0.123
TPSB475*025#1500	В	4.7	25	85	17	125	1.2	6	1500	1	0.238	0.214	0.095
TPSC475*025#0700	C	4.7	25	85	17	125	1.2	6	700	1	0.396	0.357	0.159
TPSB685*025#0700	В	6.8	25	85	17	125	1.7	6	700	1	0.348	0.314	0.139
TPSC685*025#0500	C	6.8	25	85	17	125	1.7	6	500	1	0.469	0.422	0.188
TPSC685*025#0600	C	6.8	25	85	17	125	1.7	6	600	1	0.428	0.385	0.171
TPSC685*025#0700	C	6.8	25	85	17	125	1.7	6	700	1	0.396	0.357	0.171
TPSB106*025#1800	В	10	25	85	17	125	2.5	6	1800	1	0.330	0.337	0.133
TPSC106*025#1000	C	10	25	85	17	125	2.5	6	300	1	0.606	0.190	0.242
TPSC106 025#0500	C	10	25	85	17	125	2.5	6	500	1	0.469	0.422	0.242
TPSD106*025#0500	D	10	25	85	17	125	2.5	6	500	1	0.548	0.422	0.100
TPSC156*025#0220	C	15	25	85	17	125	3.8	6	220	1	0.707	0.493	0.219
TPSC156 025#0220	C	15	25	85	17	125	3.8	6	300	1	0.606	0.545	0.242
TPSD156*025#0100	D	15	25	85	17	125	3.8	6	100	1	1.225	1.102	0.490
TPSD156*025#0300	D	15	25	85	17	125	3.8	6	300	1	0.707	0.636	0.490
TPSC226*025#0275	C	22	25	85	17	125	5.5	6	275	1	0.707	0.569	0.253
TPSC226 025#0275	C	22	25	85	17	125	5.5	6	400	1	0.524	0.369	0.233
TPSD226*025#0400	D	22	25	85	17	125	5.5	6	100	1	1.225		0.490
TPSD226*025#0100	D	22	25	85	17	125	5.5	6	200	1		1.102 0.779	0.490
	D				17			6		1	0.866		
TPSD226*025#0300		22	25	85		125	5.5		300		0.707	0.636	0.283
TPSF226*025#0300	F	22	25	85	17	125	5.5	6	300	1	0.577	0.520	0.231
TPSC336*025#0400	C	33	25	85	17	125	8.3	6	400	1	0.524	0.472	0.210
FPSD336*025#0100	D	33	25	85	17	125	8.3	6	100	1	1.225	1.102	0.490
TPSD336*025#0200	D	33	25	85	17	125	8.3	6	200	1	0.866	0.779	0.346
TPSD336*025#0300	D	33	25	85	17	125	8.3	6	300	11	0.707	0.636	0.283
TPSE336*025#0100	E	33	25	85	17	125	8.3	6	100	11)	1.285	1.156	0.514
TPSE336*025#0175	E	33	25	85	17	125	8.3	6	175	1 ¹⁾	0.971	0.874	0.388
TPSE336*025#0200	Е	33	25	85	17	125	8.3	6	200	11)	0.908	0.817	0.363
TPSE336*025#0300	E	33	25	85	17	125	8.3	6	300	1 ¹⁾	0.742	0.667	0.297





AVX	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR Max.	140	100kH	z RMS Cur	rent (A)
Part No.	Size	(μ F)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	MSL	25°C	85°C	125°C
TPSY336*025#0200	Υ	33	25	85	17	125	8.3	6	200	11)	0.791	0.712	0.316
TPSD476*025#0125	D	47	25	85	17	125	11.8	6	125	1	1.095	0.986	0.438
TPSD476*025#0150	D	47	25	85	17	125	11.8	6	150	1	1.000	0.900	0.400
TPSD476*025#0250	D	47	25	85	17	125	11.8	6	250	1	0.775	0.697	0.310
TPSE476*025#0080	E	47	25	85	17	125	11.8	6	80	11)	1.436	1.293	0.574
TPSE476*025#0100	E	47	25	85	17	125	11.8	6	100	11)	1.285	1.156	0.514
TPSE476*025#0125	E	47	25	85	17	125	11.8	6	125	11)	1.149	1.034	0.460
TPSY476*025#0250 TPSD686*025#0150	Y D	47 68	25 25	85 85	17 17	125 125	11.8 17	6	250 150	1 ¹⁾	0.707	0.636	0.283
TPSD686*025#0200	D	68	25	85	17	125	17	6	200	1	0.866	0.900	0.346
TPSD686*025#0300	D	68	25	85	17	125	17	6	300	1	0.707	0.636	0.283
TPSE686*025#0125	E	68	25	85	17	125	17	6	125	11)	1.149	1.034	0.460
TPSE686*025#0200	Ē	68	25	85	17	125	17	6	200	1 1)	0.908	0.817	0.363
TPSV686*025#0080	V	68	25	85	17	125	17	6	80	1 1)	1.768	1.591	0.707
TPSV686*025#0095	V	68	25	85	17	125	17	6	95	11)	1.622	1.460	0.649
TPSV686*025#0150	V	68	25	85	17	125	17	6	150	11)	1.291	1.162	0.516
TPSV686*025#0200	V	68	25	85	17	125	17	6	200	11)	1.118	1.006	0.447
TPSE107*025#0150	E	100	25	85	17	125	25	10	150	11)	1.049	0.944	0.420
TPSV107*025#0100	V	100	25	85	17	125	25	8	100	11)	1.581	1.423	0.632
TPSV157M025#0150	V	150	25	85	17	125	37.5	10	150	11)	1.291	1.162	0.516
						t @ 85°C							
TPSA224*035#6000	Α	0.22	35	85	23	125	0.5	4	6000	1	0.112	0.101	0.045
TPSA334*035#6000	Α	0.33	35	85	23	125	0.5	4	6000		0.112	0.101	0.045
TPSA474*035#6000	A	0.47	35	85	23	125	0.5	4	6000	1	0.112	0.101	0.045
TPSB474*035#4000	В	0.47	35	85	23	125	0.5	4	4000		0.146	0.131	0.058
TPSA684*035#6000	Α	0.68	35	85	23	125	0.5	4	6000	1	0.112	0.101	0.045
TPSA105*035#3000	A	1	35	85	23	125	0.5	4	3000	1	0.158	0.142	0.063
TPSB105*035#2000	В	1.5	35	85	23	125	0.5	6	2000	<u>1</u> 1	0.206	0.186	0.082
TPSA155*035#3000 TPSB155*035#2500	B	1.5	35 35	85 85	23 23	125 125	0.5	6	3000 2500	1	0.158	0.142	0.063
TPSA225*035#1500	A	2.2	35	85	23	125	0.8	6	1500	1	0.184	0.166	0.074
TPSB225*035#1500	В	2.2	35	85	23	125	0.8	6	750	1	0.224	0.303	0.089
TPSB225*035#1500	В	2.2	35	85	23	125	0.8	6	1500	1	0.238	0.214	0.133
TPSB225*035#2000	В	2.2	35	85	23	125	0.8	6	2000	1	0.206	0.186	0.082
TPSC225*035#1000	C	2.2	35	85	23	125	0.8	6	1000	1	0.332	0.298	0.133
TPSB335*035#1000	В	3.3	35	85	23	125	1.2	6	1000	1	0.292	0.262	0.117
TPSC335*035#0700	C	3.3	35	85	23	125	1.2	6	700	1	0.396	0.357	0.159
TPSB475*035#0700	В	4.7	35	85	23	125	1.6	6	700	1	0.348	0.314	0.139
TPSB475*035#1500	В	4.7	35	85	23	125	1.6	6	1500	1	0.238	0.214	0.095
TPSC475*035#0600	С	4.7	35	85	23	125	1.6	6	600	1	0.428	0.385	0.171
TPSD475*035#0700	D	4.7	35	85	23	125	1.6	6	700	1	0.463	0.417	0.185
TPSC685*035#0350	С	6.8	35	85	23	125	2.4	6	350	1	0.561	0.505	0.224
TPSD685*035#0150	D	6.8	35	85	23	125	2.4	6	150	11	1.000	0.900	0.400
TPSD685*035#0400	D	6.8	35	85	23	125	2.4	6	400	11	0.612	0.551	0.245
TPSD685*035#0500	D	6.8	35	85	23	125	2.4	6	500	11	0.548	0.493	0.219
TPSC106*035#0600	C	10	35	85	23	125	3.5	6	600		0.428	0.385	0.171
TPSD106*035#0125	D	10	35	85	23	125	3.5	6	125	1	1.095	0.986	0.438
TPSD106*035#0300	D	10	35	85	23	125	3.5	6	300	1 1	0.707	0.636	0.283
TPSE106*035#0200	E	10	35	85	23	125	3.5	6	200	1 ¹⁾	0.908	0.817	0.363
TPSY106*035#0250 TPSC156*035#0350	C	10 15	35 35	85 85	23 23	125 125	3.5 5.3	6	250 350	1	0.707	0.636	0.283
TPSC156*035#0450	C	15	35	85	23	125	5.3	6	450	1	0.361	0.303	0.224
TPSD156*035#0100	D	15	35	85	23	125	5.3	6	100	1	1.225	1.102	0.198
TPSD156*035#0300	D	15	35	85	23	125	5.3	6	300	1	0.707	0.636	0.430
TPSY156*035#0250	Y	15	35	85	23	125	5.3	6	250	11)	0.707	0.636	0.283
TPSD226*035#0125	D	22	35	85	23	125	7.7	6	125	1	1.095	0.986	0.438
TPSD226*035#0200	D	22	35	85	23	125	7.7	6	200	1	0.866	0.779	0.346
TPSD226*035#0300	D	22	35	85	23	125	7.7	6	300	1	0.707	0.636	0.283
TPSD226*035#0400	D	22	35	85	23	125	7.7	6	400	1	0.612	0.551	0.245
TPSE226*035#0125	Е	22	35	85	23	125	7.7	6	125	11)	1.149	1.034	0.460
TPSE226*035#0200	Е	22	35	85	23	125	7.7	6	200	11)	0.908	0.817	0.363
TPSE226*035#0300	Е	22	35	85	23	125	7.7	6	300	11)	0.742	0.667	0.297
TPSY226*035#0200	Υ	22	35	85	23	125	7.7	6	200	11)	0.791	0.712	0.316
TPSD336*035#0200	D	33	35	85	23	125	11.6	6	200	1	0.866	0.779	0.346
TPSD336*035#0300	D	33	35	85	23	125	11.6	6	300	1	0.707	0.636	0.283
TPSE336*035#0100	E	33	35	85	23	125	11.6	6	100	11)	1.285	1.156	0.514
TPSE336*035#0250	E	33	35	85	23	125	11.6	6	250	11)	0.812	0.731	0.325
TPSE336*035#0300	E	33	35	85	23	125	11.6	6	300	11)	0.742	0.667	0.297
TPSV336*035#0200	V	33	35	85	23	125	11.6	6	200	11)	1.118	1.006	0.447
TPSE476*035#0200	E	47	35	85	23	125	16.5	6	200	11)	0.908	0.817	0.363
	1 1	47	35	85	23	125	16.5	6	250	11)	0.812	0.731	0.325
TPSE476*035#0250	E												
TPSE476*035#0250 TPSV476*035#0150 TPSV476*035#0200	V	47	35 35	85 85	23	125 125	16.5 16.5	6	150 200	1 ¹⁾	1.291	1.162	0.516 0.447

Low ESR



RATINGS & PART NUMBER REFERENCE

AVX	Case	Capacitance	Rated	Rated	Category	_ Category	DCL	DF	ESR Max.		100kHz	RMS Curi	rent (A)
Part No.	Size	· (μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	Max. (μA)	Max. (%)	@ 100kHz (mΩ)	MSL	25°C	85°C	125°C
TPSV686*035#0150	V	68	35	85	23	125	23.8	6	150	1 1)	1.291	1.162	0.516
TPSV686*035#0200	V	68	35	85	23	125	23.8	6	200	1 ¹⁾	1.118	1.006	0.447
						t @ 85°C							
TPSA154*050#9000	Α	0.15	50	85	33	125	0.5	4	9000	1	0.091	0.082	0.037
TPSA224*050#7000	Α	0.22	50	85	33	125	0.5	4	7000	1	0.104	0.093	0.041
TPSA334*050#7000	Α	0.33	50	85	33	125	0.5	4	7000	1	0.104	0.093	0.041
TPSA474*050#6500	Α	0.47	50	85	33	125	0.5	4	6500	1	0.107	0.097	0.043
TPSB474*050#6000	В	0.47	50	85	33	125	0.5	4	6000	11	0.119	0.107	0.048
TPSC474*050#2300	С	0.47	50	85	33	125	0.5	4	2300	1	0.219	0.197	0.087
TPSB684*050#4000	В	0.68	50	85	33	125	0.5	4	4000	11	0.146	0.131	0.058
TPSB105*050#3000	В	1	50	85	33	125	0.5	6	3000	1	0.168	0.151	0.067
TPSC105*050#2500	С	1	50	85	33	125	0.5	4	2500	1	0.210	0.189	0.084
TPSC155*050#1500	С	1.5	50	85	33	125	0.8	6	1500	1	0.271	0.244	0.108
TPSC155*050#2000	С	1.5	50	85	33	125	0.8	6	2000	1	0.235	0.211	0.094
TPSC225*050#1500	С	2.2	50	85	33	125	1.1	8	1500	11	0.271	0.244	0.108
TPSD225*050#1200	D	2.2	50	85	33	125	1.1	6	1200	11	0.354	0.318	0.141
TPSC335*050#1000	С	3.3	50	85	33	125	1.6	6	1000	1	0.332	0.298	0.133
TPSD335*050#0800	D	3.3	50	85	33	125	1.7	6	800	1	0.433	0.390	0.173
TPSC475*050#0800	С	4.7	50	85	33	125	2.4	6	800	1	0.371	0.334	0.148
TPSD475*050#0250	D	4.7	50	85	33	125	2.4	6	250	1	0.775	0.697	0.310
TPSD475*050#0300	D	4.7	50	85	33	125	2.4	6	300	1	0.707	0.636	0.283
TPSD475*050#0500	D	4.7	50	85	33	125	2.4	6	500	1	0.548	0.493	0.219
TPSD475*050#0700	D	4.7	50	85	33	125	2.4	6	700	1	0.463	0.417	0.185
TPSX475*050#0500V	X	4.7	50	85	33	125	2.4	6	500	3	0.447	0.402	0.179
TPSD685*050#0200	D	6.8	50	85	33	125	3.4	6	200	1	0.866	0.779	0.346
TPSD685*050#0300	D	6.8	50	85	33	125	3.4	6	300	1	0.707	0.636	0.283
TPSD685*050#0500	D	6.8	50	85	33	125	3.4	6	500	1	0.548	0.493	0.219
TPSD685*050#0600	D	6.8	50	85	33	125	3.4	6	600	1	0.500	0.450	0.200
TPSD106*050#0500	D	10	50	85	33	125	5	6	500	1	0.548	0.493	0.219
TPSE106*050#0250	Е	10	50	85	33	125	5	6	250	1 ¹⁾	0.812	0.731	0.325
TPSE106*050#0300	Е	10	50	85	33	125	5	6	300	11)	0.742	0.667	0.297
TPSE106*050#0400	Е	10	50	85	33	125	5	6	400	1 ¹⁾	0.642	0.578	0.257
TPSE106*050#0500	Е	10	50	85	33	125	5	6	500	1 1)	0.574	0.517	0.230
TPSE156*050#0250	Е	15	50	85	33	125	7.5	6	250	1 ¹⁾	0.812	0.731	0.325
TPSV156*050#0250	V	15	50	85	33	125	7.5	6	250	1 1)	1.000	0.900	0.400

 $^{1^\}eta$ –Dry pack option (see How to order) recommended for reduction of stress during soldering. Dry pack parts should be treated as MSL 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, 0.5V RMS with a maximum DC bias of 2.2 volts.

DCL ismeasured at rated voltage after 5 minutes.

The EIA & CECC standards for low ESR Solid Tantalum Capacitors allow an ESR movement to 1.25 times catalogue 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.

QUALIFICATION TABLE

TEST	TPS series (Temperature range -55°C to +125°C)										
	Condition			Characteristics							
	Determine after application of rated voltage for 2000 $+48/-0$ hours at $85\pm2^{\circ}\mathrm{C}$ and then leaving 1-2 hours at room temperature. Also determine of $125^{\circ}\mathrm{C}$ temperature, category voltage for 2000 $+48/-0$ hours and then leaving 1-2 hours at room temperature. Power supply impedance to be $\leq 0.1 \Omega/\mathrm{V}$.			Visual examination	no visible damage						
Endurance				DCL	1.5 x	1.5 x initial limit					
				ΔC/C	withi	within ±10% of initial value					
				DF	initia	initial limit					
				ESR	1.25	1.25 x initial limit					
	Determine after storage without applied voltage at 65±2°C and 95±2% relative humidity for 500 hours and then recovery 1-2 hours at room temperature.			Visual examination	no vi	no visible damage					
Humidity				DCL	1.5 x	1.5 x initial limit					
				ΔC/C	withi	within ±10% of initial value					
				DF	1.2 x	1.2 x initial limit					
				ESR	1.25	1.25 x initial limit					
	Step	Temperature°C	Duration(min)		+20°C	-55°C	+20°C	+85°C	+125°C	+20°C	
Temperature Stability	1 2 3	+20±2 -55+0/-3 +20±2	15 15 15	DCL	IL*	n/a	IL*	10 x IL*	12.5 x IL*	IL*	
				ΔC/C	n/a	+0/-10%	±5%	+10/-0%	+12/-0%	±5%	
_	4	+85+3/-0	15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*	2 x IL*	IL*	
	5 6	+125+3/-0 +20±2	15 15	ESR	1.25 x IL*		1.25 x IL*				
								1.23 X IL	1.23 X IL	1.23 X IL	
Surge Voltage	Test temperature: 125°C+3/0°C Test voltage: Category voltage at 125°C Surge voltage: 1.3 x category voltage at 125°C Series protection resistance 1000±100Ω Discharge resistance: 1000Ω Number of cycles: 1000x Cycle duration: 6 min; 30 sec charge, 5 min 30 sec discharge			Visual examination	no vi	no visible damage					
				DCL	initia	initial limit					
				ΔC/C	withi	within ±5% of initial value					
				DF	initia	initial limit					
				ESR	1.25	1.25 x initial limit					

*Initial Limit



For AEC-Q200 availability, please contact AVX.