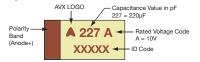
Low ESR



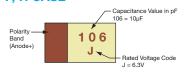


MARKING

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	EIA	L±0.20	W+0.20 (0.008)	H+0.20 (0.008)	W₁±0.20	A+0.30 (0.012)	S Min.
Code	Code	Metric	(800.0)	-0.10 (0.004)	-0.10 (0.004)	(0.008)	-0.20 (0.008)	S IVIIII.
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)
F	2312	2312 6032-20 6.00 (0.23		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

above



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	echnical d	ata relate	to an am	ıbient 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) $\leq +85^{\circ}$ C: 3.3 5.2 8 13 20 26 32 46 65												
Surge Voltage (V _S)	Surge Voltage (V_S) $\leq +125^{\circ}C$: 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)

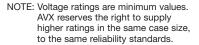
Capa	citance				Rated \	Voltage DC (V _R) to	o 85°C			
μF	Code	2.5V (e)	4V (G)	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.15	154	, ,	. ,	. ,			. ,	, ,	` `	A(9000)
0.22	224								A(6000)	A(7000)
0.33	334								A(6000)	A(7000)
0.47	474							A(7000)	A(6000) B(4000)	A(6500), B(60 C(2300)
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(1500,200
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)
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)	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(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) ^M 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) ^M Y(100,150,200)	D(85,100,150) E(100,150,200) V(60,85,100,200)	E(150) ^{A4} , 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)						
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.

Released codes (M tolerance only)

Engineering samples - please contact manufacturer *Codes under development - subject to change

*Codes under development - subject to change ESR limits quoted in brackets (milliohms)





Low ESR



AVX	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR		100kHz	RMS Cur	rent (A)
Part No.	Size	(μ F)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	(µA) Max.	% Max.	Max. (mΩ) @ 100kHz	MSL	25°C	85°C	125°C
TPSB107*002#0200		100	0.5	0.5		t @ 85°C	2.5	8	200	1	0.652	0.587	0.06
PSB157*002#0200	B	100 150	2.5	85 85	1.7	125 125	3	10	150	1	0.032	0.5677	0.261
TPSB137 002#0150	В	220	2.5	85	1.7	125	4.4	16	150	1	0.753	0.677	0.301
TPSB227*002#0100	В	220	2.5	85	1.7	125	4.4	16	200	1	0.652	0.587	0.261
TPSB227*002#0200	В	220	2.5	85	1.7	125	4.4	16	600	1	0.376	0.339	0.201
TPSD227*002#0045	D	220	2.5	85	1.7	125	5.5	8	45	1	1.826	1.643	0.730
TPSY337*002#0040	Y	330	2.5	85	1.7	125	8.2	8	40	11)	1.768	1.591	0.707
TPSD477*002#0035	Ď	470	2.5	85	1.7	125	11.6	8	35	1	2.070	1.863	0.828
TPSF477*002#0200	F	470	2.5	85	1.7	125	11.8	12	200	1	0.707	0.636	0.020
TPSY477*002#0100	Y	470	2.5	85	1.7	125	11	12	100	11)	1.118	1.006	0.447
TPSD687*002#0035	D	680	2.5	85	1.7	125	17	16	35	1	2.070	1.863	0.828
TPSD687*002#0050	D	680	2.5	85	1.7	125	17	16	50	1	1.732	1.559	0.693
TPSE687*002#0035	E	680	2.5	85	1.7	125	17	10	35	1 1)	2.171	1.954	0.868
TPSE687*002#0050	E	680	2.5	85	1.7	125	17	10	50	11)	1.817	1.635	0.727
TPSY687*002#0100	Y	680	2.5	85	1.7	125	17	12	100	1 1)	1.118	1.006	0.447
TPSE108*002#0030	Ė	1000	2.5	85	1.7	125	25	14	30	1 1)	2.345	2.111	0.938
TPSE108*002#0040	Ē	1000	2.5	85	1.7	125	25	14	40	1 1)	2.031	1.828	0.812
TPSY108M002#0100	Y	1000	2.5	85	1.7	125	25	30	100	11)	1.118	1.006	0.447
TPSD158*002#0100	D	1500	2.5	85	1.7	125	37.5	60	100	1	1.125	1.102	0.490
TPSE158*002#0050	E	1500	2.5	85	1.7	125	37.5	20	50	11)	1.817	1.635	0.430
TPSV158M002#0030	V	1500	2.5	85	1.7	125	30	20	30	1 1)	2.887	2.598	1.155
TPSV158M002#0040	V	1500	2.5	85	1.7	125	30	20	40	1 1)	2.500	2.250	1.000
11 0 1 100111002110040	, v	1000	2.0			@ 85°C	- 00	20	1 40		2.000	2.200	1.000
TPSR106*004#3000	R	10	4	85	2.7	125	0.5	6	3000	1	0.135	0.122	0.054
TPSA476*004#0500	A	47	4	85	2.7	125	1.9	8	500	1	0.387	0.349	0.155
TPSB107*004#0200	В	100	4	85	2.7	125	4	8	200	1	0.652	0.587	0.261
TPSB107*004#0250	В	100	4	85	2.7	125	4	8	250	1	0.583	0.525	0.233
TPSB107*004#0350	В	100	4	85	2.7	125	4	8	350	1	0.493	0.444	0.197
TPSB107*004#0500	В	100	4	85	2.7	125	4	8	500	1	0.412	0.371	0.165
TPSW107*004#0100	W	100	4	85	2.7	125	4	6	100	1	0.949	0.854	0.379
TPSB157*004#0250	В	150	4	85	2.7	125	6	10	250	1	0.583	0.525	0.233
TPSC157*004#0070	C	150	4	85	2.7	125	6	6	70	1	1.254	1.128	0.501
TPSC157*004#0080	C	150	4	85	2.7	125	6	6	80	1	1.173	1.055	0.469
TPSD227*004#0040	Ď	220	4	85	2.7	125	8.8	8	40	1	1.936	1.743	0.775
TPSD227*004#0050	D	220	4	85	2.7	125	8.8	8	50	1	1.732	1.559	0.693
TPSD227*004#0100	D	220	4	85	2.7	125	8.8	8	100	1	1.225	1.102	0.490
TPSY227*004#0040	Y	220	4	85	2.7	125	8.8	8	40	11)	1.768	1.591	0.707
TPSY227*004#0050	Ý	220	4	85	2.7	125	8.8	8	50	11)	1.581	1.423	0.632
TPSY227*004#0075	Ý	220	4	85	2.7	125	8.8	8	75	11)	1.291	1.162	0.516
TPSC337*004#0100	Ċ	330	4	85	2.7	125	13.2	8	100	1	1.049	0.944	0.420
TPSD337*004#0035	D	330	4	85	2.7	125	13.2	8	35	1	2.070	1.863	0.828
TPSD337*004#0045	D	330	4	85	2.7	125	13.2	8	45	1	1.826	1.643	0.730
TPSD337*004#0100	D	330	4	85	2.7	125	13.2	8	100	1	1.225	1.102	0.490
TPSF337*004#0200	F	330	4	85	2.7	125	13.2	10	200	1	0.707	0.636	0.283
TPSX337*004#0100	X	330	4	85	2.7	125	13.2	8	100	1 ¹⁾	1.000	0.900	0.400
TPSD477*004#0045	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
TPSE477*004#0035	E	470	4	85	2.7	125	18.8	10	35	11)	2.171	1.954	0.868
TPSE477*004#0045	Ē	470	4	85	2.7	125	18.8	10	45	11)	1.915	1.723	0.766
TPSE477*004#0100	Ē	470	4	85	2.7	125	18.8	10	100	11)	1.285	1.156	0.514
TPSD687*004#0045	D	680	4	85	2.7	125	27.2	14	45	1	1.826	1.643	0.730
TPSD687*004#0060	D	680	4	85	2.7	125	27.2	14	60	1	1.581	1.423	0.632
TPSD687*004#0100	D	680	4	85	2.7	125	27.2	14	100	1	1.225	1.102	0.490
TPSE687*004#0040	Ē	680	4	85	2.7	125	27.2	10	40	11)	2.031	1.828	0.812
TPSE687*004#0060	Ē	680	4	85	2.7	125	27.2	10	60	11)	1.658	1.492	0.663
TPSE687*004#0100	E	680	4	85	2.7	125	27.2	10	100	1 ¹⁾	1.285	1.156	0.514
TPSE108*004#0040	Ē	1000	4	85	2.7	125	40	14	40	11)	2.031	1.828	0.812
TPSE108*004#0060	Ē	1000	4	85	2.7	125	40	14	60	11)	1.658	1.492	0.663
TPSV108*004#0025	V	1000	4	85	2.7	125	40	16	25	1 ¹⁾	3.162	2.846	1.265
TPSV108*004#0035	V	1000	4	85	2.7	125	40	16	35	1 ¹⁾	2.673	2.405	1.069
TPSV108*004#0040	V	1000	4	85	2.7	125	40	16	40	1 1)	2.500	2.250	1.000
TPSV108*004#0050	V	1000	4	85	2.7	125	40	16	50	11)	2.236	2.012	0.894
TPSE158*004#0050	Ė	1500	4	85	2.7	125	60	30	50	11)	1.817	1.635	0.727
TPSE158*004#0075	Ē	1500	4	85	2.7	125	60	30	75	1 1)	1.483	1.335	0.593
TPSV158M004#0050	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	60	30	75	1 1)	1.826	1.643	0.730
						t @ 85°C	- 00						, 0.700
		0.0	0.0	O.F.	4	125	0.5	6	7000	1	0.089	0.080	0.035
TPSR225*006#7000	I R	2.2	0.3	00	4	[2:)	())	()	1 / (,)(,)(,)		1 0.009	U.UOU	
TPSR225*006#7000 TPSA335*006#2100	R	2.2 3.3	6.3	85 85	4	125	0.5	6	2100	1	0.089	0.080	0.076

Low ESR



AVX	Case	Capacitance	Rated	Rated	Category	_ Category	DCL	DF	ESR		100kH	z RMS Cur	rent (A)
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	(μΑ) Max.	% Max.	Max. (mΩ) @ 100kHz	MSL	25°C	85°C	125°C
TPSA685*006#1800	Α	6.8	6.3	85	4	125	0.5	6	1800	1	0.204	0.184	0.082
TPSA106*006#1500	A	10	6.3	85	4	125	0.6	6	1500		0.224	0.201	0.089
TPSB106*006#1500	В	10	6.3	85	4	125	0.6	6	1500	1	0.238	0.214	0.095
TPSR106*006#1000 TPSR106*006#1500	R	10	6.3	85 85	4	125 125	0.6	8	1000	1	0.235	0.211	0.094
TPSR106*006#3000	R	10	6.3	85	4	125	0.6	8	3000	1	0.135	0.172	0.077
TPST106*006#1000	T	10	6.3	85	4	125	0.6	6	1000	1	0.283	0.255	0.004
TPSA156*006#0700	À	15	6.3	85	4	125	0.9	6	700	1	0.327	0.295	0.131
TPSA156*006#1500	Α	15	6.3	85	4	125	0.9	6	1500	1	0.224	0.201	0.089
TPSA226*006#0500	Α	22	6.3	85	4	125	1.4	6	500	11	0.387	0.349	0.155
TPSA226*006#0900	A	22	6.3	85	4	125	1.4	6	900	1	0.289	0.260	0.115
TPSB226*006#0375	B	22 22	6.3	85	4	125 125	1.4	6	375 600	1	0.476	0.428	0.190
TPSB226*006#0600 TPSC226*006#0500	C	22	6.3	85 85	4	125	1.4	6	500	1	0.376	0.339	0.151
TPSS226*006#0900	S	22	6.3	85	4	125	1.3	10	900	1	0.269	0.242	0.107
TPSA336*006#0600	A	33	6.3	85	4	125	2.1	8	600	1	0.354	0.318	0.141
TPSB336*006#0250	В	33	6.3	85	4	125	2.1	6	250	1	0.583	0.525	0.233
TPSB336*006#0350	В	33	6.3	85	4	125	2.1	6	350	1	0.493	0.444	0.197
TPSB336*006#0450	В	33	6.3	85	4	125	2.1	6	450		0.435	0.391	0.174
TPSB336*006#0600	B	33	6.3	85 85	4	125 125	2.1	6 10	600	1	0.376	0.339	0.151
TPST336*006#0800 TPSA476*006#0800	A	33 47	6.3	85	4	125	2.1	10	800 800	1	0.316	0.285	0.126
TPSB476*006#0250	В	47	6.3	85	4	125	3	6	250	1	0.583	0.525	0.122
TPSB476*006#0350	В	47	6.3	85	4	125	3	6	350	1	0.493	0.444	0.197
TPSB476*006#0500	В	47	6.3	85	4	125	3	6	500	1	0.412	0.371	0.165
TPSC476*006#0300	С	47	6.3	85	4	125	3	6	300	1	0.606	0.545	0.242
TPST476*006#1200	T	47	6.3	85	4	125	2.8	10	1200		0.258	0.232	0.103
TPSB686*006#0250	В	68	6.3	85	4	125	4	8	250	1	0.583	0.525	0.233
TPSB686*006#0350 TPSB686*006#0500	B	68 68	6.3 6.3	85 85	4	125 125	4	8	350 500	<u>1</u> 1	0.493	0.444	0.197
TPSC686*006#0150	C	68	6.3	85	4	125	4.3	6	150	1	0.412	0.371	0.103
TPSC686*006#0200	C	68	6.3	85	4	125	4.3	6	200	1	0.742	0.667	0.297
TPSW686*006#0110	W	68	6.3	85	4	125	4.3	6	110	1	0.905	0.814	0.362
TPSW686*006#0125	W	68	6.3	85	4	125	4.3	6	125	1	0.849	0.764	0.339
TPSW686*006#0250	W	68	6.3	85	4	125	4.3	6	250		0.600	0.540	0.240
TPSB107*006#0250	B	100	6.3	85	4	125	6.3	10	250	1	0.583	0.525	0.233
TPSB107*006#0400 TPSC107*006#0075	C	100	6.3 6.3	85 85	4	125 125	6.3 6.3	10 6	400 75	1	0.461 1.211	0.415 1.090	0.184
TPSC107*006#0150	C	100	6.3	85	4	125	6.3	6	150	1	0.856	0.771	0.343
TPSD107*006#0300	D	100	6.3	85	4	125	6.3	6	300	1	0.707	0.636	0.283
TPSW107*006#0100	W	100	6.3	85	4	125	6.3	6	100	1	0.949	0.854	0.379
TPSW107*006#0150	W	100	6.3	85	4	125	6.3	6	150	1	0.775	0.697	0.310
TPSY107*006#0100	Y	100	6.3	85	4	125	6.3	6	100	11)	1.118	1.006	0.447
TPSC157*006#0050	C	150 150	6.3	85	4	125 125	9.5 9.5	6	50	1	1.483	1.335	0.593
TPSC157*006#0090 TPSC157*006#0150	C	150	6.3 6.3	85 85	4	125	9.5	6	90 150	1	1.106 0.856	0.995	0.442
TPSC157*006#0200	C	150	6.3	85	4	125	9.5	6	200	1	0.742	0.667	0.297
TPSC157*006#0250	Č	150	6.3	85	4	125	9.5	6	250	1	0.663	0.597	0.265
TPSD157*006#0050	D	150	6.3	85	4	125	9.5	6	50	1	1.732	1.559	0.693
TPSD157*006#0125	D	150	6.3	85	4	125	9.5	6	125	1	1.095	0.986	0.438
TPSY157*006#0040	Y	150	6.3	85	4	125	9.5	6	40	11)	1.768	1.591	0.707
TPSY157*006#0050 TPSC227*006#0070	C	150 220	6.3	85 85	4	125 125	9.5 13.9	6	50 70	1 ¹⁾	1.581 1.254	1.423 1.128	0.632
TPSC227*006#0070	C	220	6.3	85	4	125	13.9	8	100	1	1.049	0.944	0.501
TPSC227*006#0105	C	220	6.3	85	4	125	13.9	8	125	1	0.938	0.844	0.420
TPSC227*006#0250	C	220	6.3	85	4	125	13.9	8	250	1	0.663	0.597	0.265
TPSD227*006#0050	D	220	6.3	85	4	125	13.9	8	50	1	1.732	1.559	0.693
TPSD227*006#0100	D	220	6.3	85	4	125	13.9	8	100	1	1.225	1.102	0.490
TPSD227*006#0125	D	220	6.3	85	4	125	13.9	8	125	1	1.095	0.986	0.438
TPSE227*006#0100 TPSF227*006#0200	E F	220	6.3	85	4	125	13.9	8	100 200	1 ¹⁾	1.285	1.156	0.514
TPSF227*006#0200 TPSY227*006#0100	Y	220 220	6.3 6.3	85 85	4	125 125	13.2 13.9	10 8	100	11)	0.707 1.118	0.636 1.006	0.283
TPSY227*006#0150	Y	220	6.3	85	4	125	13.9	8	150	11)	0.913	0.822	0.365
TPSC337*006#0080	Ċ	330	6.3	85	4	125	19.8	12	80	1	1.173	1.055	0.469
TPSC337*006#0100	Č	330	6.3	85	4	125	19.8	12	100	1	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
TPSD337*006#0050	D	330	6.3	85	4	125	20.8	8	50	1	1.732	1.559	0.693
TPSD337*006#0070	D	330	6.3	85	4	125	20.8	8	70	1	1.464	1.317	0.586
TPSD337*006#0100 TPSE337*006#0050	D E	330 330	6.3	85 85	4	125 125	20.8	8	100	1 1 ¹⁾	1.225	1.102	0.490
TPSE337*006#0050	E	330	6.3	85 85	4	125	20.8	8	50 100	11)	1.817	1.635 1.156	0.727
11 02001 000#0100			0.0	00	т	120	20.0		100		1.200	1.100	0.017

Low ESR



AVX	Case	Capacitance	Rated Voltage	Rated Temperature	Category	Category	DCL	DF %	ESR Max. (mΩ)	MSL	100kHz	z RMS Cur	rent (A)
Part No.	Size	΄ (μ F)	(V)	(°C)	Voltage (V)	Temperature (°C)	(μΑ) Max.	Max.	@ 100kHz	IVISL	25°C	85°C	125°C
TPSE337*006#0125	Е	330	6.3	85	4	125	20.8	8	125	1 ¹⁾	1.149	1.034	0.460
TPSE337*006#0150	Е	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	Y	330	6.3	85	4	125	20.8	12	75	11)	1.291	1.162	0.516
TPSY337*006#0100	Y	330	6.3	85	4	125	20.8	12 12	100	1 ¹⁾	1.118	1.006	0.447
TPSY337*006#0150 TPSD477*006#0045	D	330 470	6.3	85	4	125 125	20.8 28	12	150 45	1	0.913	0.822 1.643	0.365
TPSD477 006#0045	D	470	6.3 6.3	85 85	4	125	28	12	60	1	1.581	1.423	0.730
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	Ē	470	6.3	85	4	125	28	10	45	1 1)	1.915	1.723	0.766
TPSE477*006#0050	Е	470	6.3	85	4	125	28	10	50	11)	1.817	1.635	0.727
TPSE477*006#0060	Е	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	Е	470	6.3	85	4	125	28	10	200	11)	0.908	0.817	0.363
TPSV477*006#0040	V	470	6.3	85	4	125	28	10	40	1 ¹⁾	2.500	2.250	1.000
TPSV477*006#0055	V	470	6.3	85	4	125	28	10	55	11)	2.132	1.919	0.853
TPSV477*006#0100	V	470 470	6.3	85	4	125	28	10 20	100	1 ¹⁾	1.581	1.423	0.632
TPSY477*006#0150 TPSE687*006#0045	Y	680	6,3	85	4	125	28.2		150	11)	0.913	0.822	0.365
TPSE687*006#0045	E	680	6.3 6.3	85 85	4	125 125	42.8 42.8	10	45 60	11)	1.915 1.658	1.723 1.492	0.766
TPSE687*006#0100	E	680	6.3	85	4	125	42.8	10	100	11)	1.285	1.492	0.514
TPSV687*006#0100	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	1 1)	2.500	2.250	1.000
TPSV687*006#0050	V	680	6.3	85	4	125	42.8	10	50	1 1)	2.236	2.012	0.894
TPSE108M006#0100	Ė	1000	6.3	85	4	125	60	20	100	1 1)	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
					10 Vo	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		0.204	0.184	0.082
TPST335*010#1500	T	3.3	10	85	7	125	0.5	6	1500	1	0.231	0.208	0.092
TPSA475*010#1400	B	4.7	10	85 85	7	125 125	0.5	6	1400	1	0.231	0.208	0.093
TPSB475*010#1400 TPSR475*010#3000	R	4.7	10	85	7	125	0.5	6	3000	1	0.246	0.222	0.054
TPSR475*010#5000	R	4.7	10	85	7	125	0.5	6	5000	1	0.105	0.094	0.034
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		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	10 10	85 85	7	125 125	1 1	6	1000	1	0.283	0.255	0.113
TPST106*010#2000 TPSA156*010#1000	A	15	10	85	7	125	1.5	6	1000	1	0.200	0.180	0.080
TPSB156*010#0450	В	15	10	85	7	125	1.5	6	450	1	0.435	0.240	0.174
TPSB156*010#0600	В	15	10	85	7	125	1.5	6	600	1	0.376	0.339	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	Α	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	11	0.348	0.314	0.139
TPSC226*010#0300	C	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		0.316	0.285	0.126
TPSA336*010#0700	A	33	10	85	7	125	3.3	8	700	1	0.327	0.295	0.131
TPSB336*010#0250 TPSB336*010#0425	B	33	10 10	85 85	7	125 125	3.3	6	250 425	1	0.583	0.525	0.233
TPSB336*010#0425	В	33	10	85	7	125	3.3	6	500	1	0.447	0.402	0.179
TPSB336*010#0650	В	33	10	85	7	125	3.3	6	650	1	0.412	0.371	0.165
TPSC336*010#0150	C	33	10	85	7	125	3.3	6	150	1	0.856	0.323	0.343
TPSC336*010#0375	C	33	10	85	7	125	3.3	6	375	1	0.542	0.487	0.217
TPSC336*010#0500	Č	33	10	85	7	125	3.3	6	500	1	0.469	0.422	0.188
TPSW336*010#0350	W	33	10	85	7	125	3.3	6	350	1	0.507	0.456	0.203
TPSB476*010#0250	В	47	10	85	7	125	4.7	8	250	1	0.583	0.525	0.233
TPSB476*010#0350	В	47	10	85	7	125	4.7	8	350	1	0.493	0.444	0.197
TPSB476*010#0500	В	47	10	85	7	125	4.7	8	500	1	0.412	0.371	0.165
TPSB476*010#0650	В	47	10	85	7	125	4.7	8	650	1	0.362	0.325	0.145
TPSC476*010#0200	С	47	10	85 85	7	125	4.7	6	200		0.742	0.667	0.297
TPSC476*010#0350	l C	47	10			125	4.7	6	350	1		0.505	





PSEAPR'S (1) (1) (1) (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4					Rated	17 11	Capacitance	Case	AVX
TRENDAY OF COLUMN 1									
TESPAPTO1006300							47	D	TPSD476*010#0100
	10 85 7 125 4.7 6 300 1 0.707 0.636 0.2		125	7					
FROM				-					
IPSPERSONO-10000 8				7					
IPSC/686/10100000				7					
PRSCREPTORHOTON C 68				,					
PROCESSO 190,000 C 68 10 85 7 125 6.8 6 200 1 0.742 0.667 1 1 1 1 1 1 1 1 1				-					
PRSCREPTOR C				-					
TRSDB69010H0100 D 68 10 86 7 125 6.8 6 100 1 1.225 1.102 TRSVB69010H0100 V 68 10 85 7 125 6.8 6 150 1 1.000 0.900 TRSVB69010H0100 V 68 10 85 7 125 6.8 6 100 1 1.118 1.006									
PRINGE(**O)(**O)(**10) D 68				7					
PSYB86*010H0100				7					
TEPSW868*01040200				-					
FESWISSON FESW				-					
FIRSWIGN				-					
FRESHDY-010H0105 B 100				-					
IPSCIDY**10H00100				7					
PRSC107*010401050				7					
FRSC107*010#0200				7					
TRSC107*010#0050				7					
IPSDID7*01040066				7					TPSC107*010#0200
TPSDI07'010#0080	10 85 7 125 10 6 50 1 1.732 1.559 0.6	6 50	125	7	85	10	100	D	TPSD107*010#0050
TRSDI07*010#0080	10 85 7 125 10 6 65 1 1.519 1.367 0.6	6 65	125	7	85	10	100	D	TPSD107*010#0065
IFSDIO/**OID#0150	10 85 7 125 10 6 80 1 1.369 1.232 0.5	6 80	125	7	85			D	TPSD107*010#0080
IFSDIO7*010#0150			125	7					TPSD107*010#0100
TPSEIGPTO10H0125 E 100 10 85 7 125 10 6 125 1				7					TPSD107*010#0125
IFSWID7*010#0150			125						TPSD107*010#0150
TFSKID7**10H00955 X 100				7					
IFPSKID7** 010#0150 X				7					
IFFSKID7*010#0200				,					
IFPSYID7**010#0100				,					
TFSY107*010#0150				-					
IFSY1107*010#0200									
IFSC157*010#0150				7					
IFSDI57*010#0050 D				7					
TPSD157*010#0085 D 150 10 85 7 125 15 8 85 1 1,328 1,196 1 1 1 1 1 1 1 1 1				,					
TPSD157*010#0100				-					
TPSE157*010#0100				-					
TPSF157*010#0200									
IFPSX157M010#0100				7					
TPSY157**010#0100				7					
TPSY157*010#0150				-					
TPSY157*010#0200				-					
TPSD227*010#0040 D 220 10 85 7 125 22 8 40 1 1.936 1.743 (TPSD227*010#00050 D 220 10 85 7 125 22 8 50 1 1.332 1.559 (TPSD227*010#0100 D 220 10 85 7 125 22 8 150 1 1.225 1.102 (TPSD227*010#0150 D 220 10 85 7 125 22 8 150 1 1.000 0.900 (TPSD227*010#0050 E 220 10 85 7 125 22 8 50 1 1.817 1.635 (TPSE227*010#0060 E 220 10 85 7 125 22 8 50 1 1 1.817 1.635 (TPSE227*010#0060 E 220 10 85 7 125 22 8 60 1 1 1.837 1.635 (TPSE227*010#0070 E 220 10 85 7 125 22 8 70 1 1 1.835 (TPSE227*010#0070 E 220 10 85 7 125 22 8 70 1 1 1.835 (TPSE227*010#0100 E 220 10 85 7 125 22 8 10 10 1 1.285 1.156 (TPSE227*010#0100 E 220 10 85 7 125 22 8 10 10 1 1.285 1.156 (TPSE227*010#0100 E 220 10 85 7 125 22 8 125 1 1 1.49 1.034 (TPSE227*010#0105 E 220 10 85 7 125 22 8 150 1 1 1.149 1.034 (TPSY227*010#0100 Y 220 10 85 7 125 22 8 150 1 1 1.149 1.034 (TPSY227*010#0100 Y 220 10 85 7 125 22 8 150 1 10 10 1 1.118 1.006 (TPSY227*010#0150 F 220 10 85 7 125 22 10 10 10 10 1 1 1.118 1.006 (TPSY227*010#0150 Y 220 10 85 7 125 22 10 10 10 10 1 1.118 1.006 (TPSY227*010#0150 Y 220 10 85 7 125 22 10 10 10 10 1 1.118 1.006 (TPSY227*010#0200 Y 220 10 85 7 125 33 8 50 1 1.732 1.559 (TPSD337*010#0065 D 330 10 85 7 125 33 8 50 1 1.509 (TPSD337*010#0065 D 330 10 85 7 125 33 8 50 1 1.509 (TPSD337*010#0060 E 330 10 85 7 125 33 8 50 1 1.500 (TPSD337*010#0060 E 330 10 85 7 125 33 8 50 1 1.600 (TPSE337*010#0060 E 330 10 85 7 125 33 8 50 1 1.817 1.635 (TPSD337*010#0060 E 330 10 85 7 125 33 8 50 1 1.817 1.835 (TPSD337*010#0060 E 330 10 85 7 125 33 8 50 1 1 1.817 1.635 (TPSE337*010#0060 E 330 10 85 7 125 33 8 50 1 1 1.817 1.635 (TPSE337*010#0060 E 330 10 85 7 125 33 8 50 1 1 1.817 1.635 (TPSE337*010#0060 E 330 10 85 7 125 33 8 50 1 1 1.817 1.635 (TPSE337*010#0060 E 330 10 85 7 125 33 8 100 10 1 1.225 1.156 (TPSY337*010#0060 F 330 10 85 7 125 33 8 100 10 1 1.225 1.156 (TPSY337*010#0060 F 330 10 85 7 125 33 10 40 11 1.225 1.156 (TPSY337*010#0060 F 330 10 85 7 125 33 10 40 11 1.225 1.156 (TPSY337*010#0040 F 330 10 85 7 125 33 10 60 11 1.225 1.156				7					
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Low ESR



AVX	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF %	ESR Max (m0)	Mei		RMS Cur	rent (A)
Part No.	Size	(μ F)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	(μΑ) Max.	% Max.	Max. (mΩ) @ 100kHz	MSL	25°C	85°C	125°C
TPSE477*010#0060	Е	470	10	85	7	125	47	10	60	1 ¹⁾	1.658	1.492	0.663
TPSE477*010#0100	E	470	10	85	7	125	47	10	100	11)	1.285	1.156	0.514
TPSE477*010#0200	Е	470	10	85	7	125	47	10	200	1 ¹⁾	0.908	0.817	0.363
PSV477*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	1 ¹⁾	1.581	1.423	0.632
TPSA105*016#6200	Ι Λ	1	16	85		t @ 85°C	0.5	4	6200	-1	0.110	0.099	0.044
TPSA105 016#6200 TPSA225*016#1800	A	2.2	16	85	10	125	0.5	6	1800	1	0.110	0.099	0.044
TPSA225*016#3500	A	2.2	16	85	10	125	0.5	6	3500	1	0.204	0.132	0.059
TPST225*016#2000	T	2.2	16	85	10	125	0.5	6	2000	1	0.200	0.132	0.039
TPSA335*016#3500	A	3.3	16	85	10	125	0.5	6	3500	1	0.146	0.132	0.059
TPSB335*016#2500	В	3.3	16	85	10	125	0.5	6	2500	1	0.184	0.166	0.074
TPSA475*016#2000	A	4.7	16	85	10	125	0.8	6	2000	1	0.194	0.174	0.077
TPSB475*016#0800	В	4.7	16	85	10	125	0.8	6	800	1	0.326	0.293	0.130
ΓPSB475*016#1500	В	4.7	16	85	10	125	0.8	6	1500	1	0.238	0.214	0.095
ΓPSA685*016#1500	Α	6.8	16	85	10	125	1.1	6	1500	1	0.224	0.201	0.089
TPSB685*016#0600	В	6.8	16	85	10	125	1.1	6	600	1	0.376	0.339	0.151
TPSB685*016#1200	В	6.8	16	85	10	125	1.1	6	1200	1	0.266	0.240	0.106
TPSA106*016#1000	Α	10	16	85	10	125	1.6	6	1000	1	0.274	0.246	0.110
ΓPSB106*016#0500	В	10	16	85	10	125	1.6	6	500	1	0.412	0.371	0.165
FPSB106*016#0800	В	10	16	85	10	125	1.6	6	800	1	0.326	0.293	0.130
PSC106*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	0.285	0.126
TPST106*016#1000	T	10	16	85	10	125	1.6	8	1000		0.283	0.255	0.113
FPSW106*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	B	15 15	16 16	85	10	125	2.4	6	500 800	1	0.412	0.371	0.165
TPSB156*016#0800 TPSC156*016#0300	C	15	16	85 85	10	125 125	2.4	6	300	1	0.326	0.293	0.130
TPSC156*016#0700	C	15	16	85	10	125	2.4	6	700	1	0.396	0.343	0.242
TPSB226*016#0400	В	22	16	85	10	125	3.5	6	400	1	0.390	0.337	0.139
TPSB226*016#0600	В	22	16	85	10	125	3.5	6	600	1	0.401	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	C	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
ΓPSD226*016#0700	D	22	16	85	10	125	3.5	6	700	1	0.463	0.417	0.185
PSW226*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
FPSC336*016#0150	С	33	16	85	10	125	5.3	6	150	1	0.856	0.771	0.343
FPSC336*016#0225	C	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
FPSD336*016#0200	D	33	16	85	10	125	5.3	6	200	1	0.866	0.779	0.346
PSW336*016#0140	W	33	16	85	10	125	5.3	6	140	11	0.802	0.722	0.321
PSW336*016#0175	W	33	16	85	10	125	5.3	6	175	1	0.717	0.645	0.287
FPSW336*016#0250	W	33	16	85	10	125	5.3	6	250	1	0.600	0.540	0.240
PSW336*016#0400 PSW336*016#0500	W	33	16 16	85 85	10	125 125	5.3 5.3	6	500	1	0.474		0.190
TPSY336*016#0300	Y	33	16	85	10	125	5.3	6	300	11)	0.424	0.382	0.170
TPSY336*016#0400	Y	33	16	85	10	125	5.3	6	400	11)	0.559	0.503	0.238
TPSC476*016#0110	C	47	16	85	10	125	7.5	6	110	1	1.000	0.900	0.400
TPSC476*016#0350	C	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
ГРSD476*016#0200	D	47	16	85	10	125	7.5	6	200	1	0.866	0.779	0.346
PSW476*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	1 ¹⁾	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
FPSD686*016#0070	D	68	16	85	10	125	10.9	6	70	1	1.464	1.317	0.586
FPSD686*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	11	0.707	0.636	0.283
TPSX686*016#0150	Х	68	16	85	10	125	10.9	8	150	1 ¹⁾	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
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

Low ESR



AVX	Case	Capacitance	Rated	Rated	Category	_ Category	DCL	DF	ESR		100kHz	RMS Curi	rent (A)
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	(μΑ) Max.	% Max.	Max. (mΩ) @ 100kHz	MSL	25°C	85°C	125°C
TPSC107*016#0200	С	100	16	85	10	125	16	8	200	1	0.742	0.667	0.297
TPSD107*016#0060 TPSD107*016#0100	D D	100	16 16	85 85	10	125 125	16 16	6	60 100	1	1.581	1.423	0.632
TPSD107 010#0100	D	100	16	85	10	125	16	6	125	1	1.095	0.986	0.438
TPSD107*016#0150	D	100	16	85	10	125	16	6	150	1	1.000	0.900	0.400
TPSE107*016#0055	Е	100	16	85	10	125	16	6	55	11)	1.732	1.559	0.693
TPSE107*016#0100	E	100	16	85	10	125	16	6	100	11)	1.285	1.156	0.514
TPSE107*016#0125 TPSE107*016#0150	E	100	16 16	85 85	10	125 125	16 16	6	125 150	1 ¹⁾	1.149	1.034	0.460
TPSF107M016#0150	F	100	16	85	10	125	16	10	150	1	0.816	0.735	0.420
TPSF107M016#0200	F	100	16	85	10	125	16	10	200	1	0.707	0.636	0.283
TPSY107*016#0100	Υ	100	16	85	10	125	16	8	100	11)	1.118	1.006	0.447
TPSY107*016#0150	Y	100	16	85	10	125	16	8	150	11)	0.913	0.822	0.365
TPSY107*016#0200 TPSD157*016#0060	D	100 150	16 16	85 85	10	125 125	16 24	8	200 60	1 ¹⁾	0.791	0.712 1.423	0.316
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	150 150	16 16	85	10	125	23 24	8	150	1 1 ¹⁾	1.000	0.900	0.400
TPSE157*016#0100 TPSV157*016#0045	E V	150	16	85 85	10	125 125	24	6 8	100 45	11)	1.285 2.357	1.156 2.121	0.514
TPSV157*016#0075	V	150	16	85	10	125	24	8	75	1 1)	1.826	1.643	0.730
TPSY157M016#0200	Υ	150	16	85	10	125	24	15	200	11)	0.791	0.712	0.316
TPSE227*016#0100	E	220	16	85	10	125	35.2	10	100	11)	1.285	1.156	0.514
TPSE227*016#0150	E V	220	16	85	10	125	35.2	10	150	1 ¹⁾	1.049	0.944	0.420
TPSV227*016#0050 TPSV227*016#0075	V	220 220	16 16	85 85	10	125 125	35.2 35.2	8	50 75	11)	2.236	2.012 1.643	0.894
TPSV227*016#0100	V	220	16	85	10	125	35.2	8	100	1 1)	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	11)	0.908	0.817	0.363
TPSA105*020#3000	٨	1	20	85	20 Vol	t @ 85°C 125	0.5	4	3000	4	0.158	0.142	0.063
TPSR105 020#3000 TPSR105*020#6000	A R	1	20	85	13	125	0.5	4	6000	1	0.138	0.142	0.088
TPSS105*020#6000	S	1	20	85	13	125	0.5	4	6000	1	0.104	0.094	0.042
TPST105*020#2000	Т	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 TPSB225*020#1700	A B	2.2	20 20	85 85	13	125 125	0.5	6	3000 1700	1	0.158	0.142	0.063
TPSA335*020#2500	A	3.3	20	85	13	125	0.7	6	2500	1	0.173	0.156	0.069
TPSB335*020#1300	В	3.3	20	85	13	125	0.7	6	1300	1	0.256	0.230	0.102
TPSA475*020#1800	Α	4.7	20	85	13	125	0.9	6	1800	11	0.204	0.184	0.082
TPSB475*020#0750	В	4.7	20	85	13	125	0.9	6	750	1	0.337	0.303	0.135
TPSB475*020#1000 TPSA685*020#1000	B A	4.7 6.8	20 20	85 85	13	125 125	0.9	6	1000	1	0.292	0.262	0.117
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	0.357	0.159
TPSB106*020#0500 TPSB106*020#1000	B	10 10	20 20	85 85	13 13	125 125	2	6	500 1000	1	0.412	0.371	0.165
TPSC106*020#1000	C	10	20	85	13	125	2	6	500	1	0.292		0.117
TPSC106*020#0700	C	10	20	85	13	125	2	6	700	1	0.396	0.357	0.159
TPSW106*020#0250	W	10	20	85	13	125	2	6	250	1	0.600	0.540	0.240
TPSW106*020#0500	W	10	20	85	13	125	2	6	500	1	0.424	0.382	0.170
TPSB156*020#0500 TPSC156*020#0400	B C	15 15	20 20	85 85	13 13	125 125	3	6	500 400	1	0.412	0.371	0.165
TPSC156*020#0450	C	15	20	85	13	125	3	6	450	1	0.324	0.472	0.210
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	1	0.376	0.339	0.151
TPSC226*020#0100	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 0.472	0.343
TPSD226*020#0200	D	22	20	85	13	125	4.4	6	200	1	0.866	0.472	0.346
TPSD226*020#0300	D	22	20	85	13	125	4.4	6	300	1	0.707	0.636	0.283
TPSC336*020#0300	С	33	20	85	13	125	6.6	6	300	1	0.606	0.545	0.242
TPSD336*020#0100	D D	33	20 20	85	13	125	6.6	6	100	1	1.225	1.102	0.490
TPSD336*020#0200 TPSD476*020#0075	D	47	20	85 85	13 13	125 125	6.6 9.4	6	200 75	1	0.866 1.414	0.779 1.273	0.346
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
TPSE476*020#0070	E	47	20	85	13	125	9.4	6	70	11)	1.535	1.382	0.614
TPSE476*020#0125	E	47	20	85	13	125	9.4	6	125	11)	1.149	1.034	0.460

Low ESR



Part No. Part No.	AVX	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR May (m0)	MC	100kHz	RMS Curi	ent (A)
TRESHOROZINGIO E			(μ F)								MSL	25°C	85°C	125°C
TPSEAFF002000200 X	TPSE476*020#0150	Е	47								1 ¹⁾	1.049	0.944	0.420
TPSMG************************************														
PRESIDENCYCURE 0									_					
TPSDBB970200000														
PSPSB8970200300												_		
TPSEBBS*CQ000300 D														
PRSEBBY0200105 E 68 20 85 13 125 136 6 125 11 1149 1044 0492 1785688902000200 E 68 20 85 13 125 136 6 120 11 0490 0444 0492 1785688902000200 E 68 20 85 13 125 136 6 200 11 0.908 0817 0.356 0.3														
PRESERVOZOPOTSO E									_					
PSYSTRE 1987 1988 20	TPSE686*020#0150	Е		20		13	125				11)	1.049	0.944	0.420
PSDI07*02000005														
IPSDIOT/02040150														
PSB107702001015														
TRSEIDT/02040100 E 100 20 85 13 125 20 6 100 1" 1.285 1.186 0.514													_	
TRSEI07702040150														
PSEIDOT/20000000 E														
TPSVI00702000086														
TPSVIOTOZQUEQUODO V 100 20 85 13 125 20 8 85 11 1,715 1,543 6,865														
TPSVIDTOCQC00000	TPSV107*020#0085	V	100			13		20	8	85		1.715		
TPSAIG***CQ200000	TPSV107*020#0100												1.423	0.632
PSA474**(225#7000														
PBSA474*025#7000	TPSV157*020#0080	l V	150	20	85			30	8	80	11)	1.768	1.591	0.707
TPSAB684*026#4000	TDC	Ι Λ	0.47	٥٢	0.5			0.5	1 4	7000	-4	T 0 101	0.000	0.041
TPSA105'025#2000														
TPSR105'025#4000				25										
FPSH105*025840000														
TPSA155'02561800			1											
FPSB1567025#1500			1.5	25					6		1			0.063
PSB825*025#1200	TPSB155*025#1800	В		25	85	17	125	0.5	6	1800	1	0.217	0.196	0.087
FPSB225*025#1200									_					
TPSB225*025#1500				25										
TPSA335*025#1500														
TPSA335*025#1500														
TPSB35*025#1500				25										
TPSB335*025#1500														
TPSB351025#2000														
TPSB475*025#0900								0.8	6	2000	1		0.186	
TPSB475'025#1500	TPSB475*025#0700		4.7		85				6	700	1	0.348	0.314	0.139
TPSC475*025#0700														
TPSB685*025#0500														
TPSC685*025#0500									_					
TPSC685*025#0600														
TPSC685°025#0700														
TPSC106*025#1800							125							
TPSC106*025#0300 C 10 25 85 17 125 2.5 6 300 1 0.606 0.545 0.242 TPSC106*025#0500 C 10 25 85 17 125 2.5 6 500 1 0.469 0.422 0.188 TPSD106*025#0500 D 10 25 85 17 125 2.5 6 500 1 0.469 0.422 0.188 TPSD156*025#0200 C 15 25 85 17 125 3.8 6 220 1 0.707 0.633 0.283 TPSD156*025#0300 C 15 25 85 17 125 3.8 6 300 1 0.606 0.545 0.242 TPSD156*025#0300 D 15 25 85 17 125 3.8 6 100 1 1.225 1.102 0.490 TPSC226*025#02075 C 22 25 <														
TPSC106*025#0500 C 10 25 85 17 125 2.5 6 500 1 0.469 0.422 0.188 TPSD106*025#0500 D 10 25 85 17 125 2.5 6 500 1 0.548 0.493 0.219 TPSC156*025#0300 C 15 25 85 17 125 3.8 6 220 1 0.707 0.636 0.283 TPSD156*025#0300 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 6 300 1 0.606 0.253 TPSD156*025#0300 D 15 25 85 17 125 3.8 6 300 1 0.707 0.636 0.283 TPSC226*025#0400 C 22 25 85 1		_	1.0	0.5	0.5		105	0 =	_	000	1	0.000	0 = 1 =	0.242
TPSD106*025#0500 D 10 25 85 17 125 2.5 6 500 1 0.548 0.493 0.219	TPSC106*025#0500							2.5			1			0.188
TPSC156*025#0300 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 0.283 TPSC226*025#0275 C 22 25 85 17 125 5.5 6 275 1 0.632 0.569 0.253 TPSC226*025#0400 C 22 25 85 17 125 5.5 6 400 1 0.524 0.472 0.210 TPSD226*025#0400 D 22 25 85 17 125 5.5 6 100 1 1.225 1.102 0.490 TPSD226*025#0200 D 22 25 <t< td=""><td></td><td></td><td></td><td>25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.219</td></t<>				25										0.219
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 0.283 TPSC226*025#0275 C 22 25 85 17 125 5.5 6 275 1 0.632 0.569 0.253 TPSD226*025#0400 C 22 25 85 17 125 5.5 6 400 1 0.524 0.472 0.213 TPSD226*025#0100 D 22 25 85 17 125 5.5 6 400 1 0.524 0.472 0.210 TPSD226*025#0200 D 22 25 85 17 125 5.5 6 200 1 0.866 0.779 0.346 TPSD336*025#0300 D 33 25 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.283</td></t<>														0.283
TPSD156*025#0300 D 15 25 85 17 125 3.8 6 300 1 0.707 0.636 0.283 TPSC226*025#0275 C 22 25 85 17 125 5.5 6 275 1 0.632 0.569 0.253 TPSC226*025#0400 C 22 25 85 17 125 5.5 6 400 1 0.524 0.472 0.210 TPSD226*025#0100 D 22 25 85 17 125 5.5 6 100 1 1.225 1.102 0.490 TPSD226*025#0200 D 22 25 85 17 125 5.5 6 200 1 0.866 0.779 0.346 TPSD226*025#0300 D 22 25 85 17 125 8.3 6 400 1 0.707 0.636 0.283 TPSD336*025#0100 D 33 25 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>														
TPSC226*025#0275 C 22 25 85 17 125 5.5 6 275 1 0.632 0.569 0.253 TPSC226*025#0400 C 22 25 85 17 125 5.5 6 400 1 0.524 0.472 0.210 TPSD226*025#0100 D 22 25 85 17 125 5.5 6 100 1 1.225 1.102 0.490 TPSD226*025#0200 D 22 25 85 17 125 5.5 6 200 1 0.866 0.779 0.346 TPSD226*025#0300 D 22 25 85 17 125 5.5 6 200 1 0.866 0.779 0.346 TPSD236*025#0400 C 33 25 85 17 125 8.3 6 400 1 1.225 1.102 0.490 TPSD336*025#0200 D 33 25 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>														
TPSC226*025#0400 C 22 25 85 17 125 5.5 6 400 1 0.524 0.472 0.210 TPSD226*025#0100 D 22 25 85 17 125 5.5 6 100 1 1.225 1.102 0.490 TPSD226*025#0200 D 22 25 85 17 125 5.5 6 200 1 0.866 0.779 0.346 TPSD226*025#0300 D 22 25 85 17 125 5.5 6 300 1 0.707 0.636 0.283 TPSD336*025#0400 C 33 25 85 17 125 8.3 6 400 1 0.524 0.472 0.210 TPSD336*025#0100 D 33 25 85 17 125 8.3 6 400 1 0.524 0.472 0.210 TPSD336*025#0200 D 33 25 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>														
TPSD226*025#0100 D 22 25 85 17 125 5.5 6 100 1 1.225 1.102 0.490 TPSD226*025#0200 D 22 25 85 17 125 5.5 6 200 1 0.866 0.779 0.346 TPSD226*025#0300 D 22 25 85 17 125 5.5 6 300 1 0.707 0.636 0.283 TPSC336*025#0400 C 33 25 85 17 125 8.3 6 400 1 0.524 0.472 0.210 TPSD336*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 TPSB336*025#0300 D 33 25 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>														
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TPSC336*025#0400 C 33 25 85 17 125 8.3 6 400 1 0.524 0.472 0.210 TPSD336*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 1 0.707 0.636 0.283 TPSE336*025#0100 E 33 25 85 17 125 8.3 6 100 1° 1.285 1.156 0.514 TPSE336*025#0175 E 33 25 85 17 125 8.3 6 175 1° 0.971 0.874 0.383 TPSE336*025#0200 E 33 25				25										0.283
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 1 0.707 0.636 0.283 TPSE336*025#0100 E 33 25 85 17 125 8.3 6 100 1° 1.285 1.156 0.514 TPSE336*025#0175 E 33 25 85 17 125 8.3 6 175 1° 0.971 0.874 0.388 TPSE336*025#0200 E 33 25 85 17 125 8.3 6 200 1° 0.908 0.817 0.368 TPSE336*025#0300 E 33 25 85 17 125 8.3 6 300 1° 0.742 0.667 0.297 TPSY336*025#0200 Y 33 25	TPSC336*025#0400		33	25	85	17	125	8.3		400		0.524	0.472	0.210
TPSD336*025#0300 D 33 25 85 17 125 8.3 6 300 1 0.707 0.636 0.283 TPSE336*025#0100 E 33 25 85 17 125 8.3 6 100 1° 1.285 1.156 0.514 TPSE336*025#0175 E 33 25 85 17 125 8.3 6 175 1° 0.971 0.874 0.388 TPSE336*025#0200 E 33 25 85 17 125 8.3 6 200 1° 0.908 0.817 0.388 TPSE336*025#0300 E 33 25 85 17 125 8.3 6 300 1° 0.742 0.667 0.297 TPSY336*025#0200 Y 33 25 85 17 125 8.3 6 200 1° 0.742 0.667 0.297 TPSY336*025#0200 Y 33 25														0.490
TPSE336*025#0100 E 33 25 85 17 125 8.3 6 100 1° 1.285 1.156 0.514 TPSE336*025#0175 E 33 25 85 17 125 8.3 6 175 1° 0.971 0.874 0.388 TPSE336*025#0200 E 33 25 85 17 125 8.3 6 200 1° 0.908 0.817 0.363 TPSE336*025#0300 E 33 25 85 17 125 8.3 6 200 1° 0.742 0.667 0.297 TPSY336*025#0200 Y 33 25 85 17 125 8.3 6 200 1° 0.742 0.667 0.297 TPSD476*025#0125 D 47 25 85 17 125 11.8 6 125 1 1.095 0.986 0.438														0.346
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TPSE336*025#0300 E 33 25 85 17 125 8.3 6 300 1° 0.742 0.667 0.297 TPSY336*025#0200 Y 33 25 85 17 125 8.3 6 200 1° 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														
TPSY336*025#0200 Y 33 25 85 17 125 8.3 6 200 1 ¹⁾ 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#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

Low ESR



AVX	Case	Capacitance	Rated Voltage	Rated Temperature	Category	Category Temperature	DCL (µA)	DF %	ESR Max. (mΩ)	MSL		RMS Cur	rent (A)
Part No.	Size	(μ F)	(V)	(°C)	Voltage (V)	(°C)	(μΑ) Max.	Max.	@ 100kHz	MISL	25°C	85°C	125°C
PSD476*025#0250	D	47	25	85	17	125	11.8	6	250	1	0.775	0.697	0.310
PSE476*025#0080	Е	47	25	85	17	125	11.8	6	80	11)	1.436	1.293	0.574
PSE476*025#0100	Е	47	25	85	17	125	11.8	6	100	1 ¹⁾	1.285	1.156	0.514
PSE476*025#0125	E	47	25	85	17	125	11.8	6	125	11)	1.149	1.034	0.460
PSY476*025#0250	Υ	47	25	85	17	125	11.8	6	250	1 1)	0.707	0.636	0.283
PSD686*025#0300	D	68	25	85	17	125	17	6	300	1	0.707	0.636	0.283
PSE686*025#0125	Е	68	25	85	17	125	17	6	125	1 ¹⁾	1.149	1.034	0.460
PSE686*025#0200	E	68	25	85	17	125	17	6	200	11)	0.908	0.817	0.363
PSV686*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
PSV686*025#0150	V	68	25	85	17	125	17	6	150	11)	1.291	1.162	0.516
PSV686*025#0200	V	68	25	85	17	125	17	6	200	11)	1.118	1.006	0.447
PSE107M025#0150	Е	100	25	85	17	125	25	10	150	11)	1.049	0.944	0.420
FPSV107*025#0100	V	100	25	85	17	125	25	8	100	11)	1.581	1.423	0.632
PSV157M025#0150	V	150	25	85	17	125	37.5	10	150	1 ¹⁾	1.291	1.162	0.516
						t @ 85°C							
PSA224*035#6000	Α	0.22	35	85	23	125	0.5	4	6000	1	0.112	0.101	0.045
PSA334*035#6000	Α	0.33	35	85	23	125	0.5	4	6000	1	0.112	0.101	0.045
PSA474*035#6000	Α	0.47	35	85	23	125	0.5	4	6000	1	0.112	0.101	0.045
PSB474*035#4000	В	0.47	35	85	23	125	0.5	4	4000	1	0.146	0.131	0.058
PSA684*035#6000	Α	0.68	35	85	23	125	0.5	4	6000	1	0.112	0.101	0.045
PSA105*035#3000	Α	1	35	85	23	125	0.5	4	3000	1	0.158	0.142	0.063
PSB105*035#2000	В	1	35	85	23	125	0.5	4	2000	1	0.206	0.186	0.082
PSA155*035#3000	Α	1.5	35	85	23	125	0.5	6	3000	1	0.158	0.142	0.063
PSB155*035#2500	В	1.5	35	85	23	125	0.5	6	2500	1	0.184	0.166	0.074
PSA225*035#1500	Α	2.2	35	85	23	125	0.8	6	1500	1	0.224	0.201	0.089
TPSB225*035#0750	В	2.2	35	85	23	125	0.8	6	750	1	0.337	0.303	0.135
TPSB225*035#1500	В	2.2	35	85	23	125	0.8	6	1500	1	0.238	0.214	0.095
TPSB225*035#2000	В	2.2	35	85	23	125	0.8	6	2000	1	0.206	0.186	0.082
PSC225*035#1000	С	2.2	35	85	23	125	0.8	6	1000	1	0.332	0.298	0.133
PSB335*035#1000	В	3.3	35	85	23	125	1.2	6	1000	1	0.292	0.262	0.117
TPSC335*035#0700	Ĉ	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	C	4.7	35	85	23	125	1.6	6	600	1	0.428	0.385	0.171
ΓPSD475*035#0700	D	4.7	35	85	23	125	1.6	6	700	1	0.463	0.417	0.185
PSC685*035#0350	C	6.8	35	85	23	125	2.4	6	350	1	0.561	0.505	0.224
PSD685*035#0150	D	6.8	35	85	23	125	2.4	6	150	1	1.000	0.900	0.400
PSD685*035#0400	D	6.8	35	85	23	125	2.4	6	400	1	0.612	0.551	0.245
TPSD685*035#0500	D	6.8	35	85	23	125	2.4	6	500	1	0.548	0.493	0.219
TPSC106*035#0600	C	10	35	85	23	125	3.5	6	600	1	0.428	0.435	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	0.707	0.636	0.283
TPSE106*035#0200	E	10	35	85	23	125	3.5	6	200	11)	0.707	0.817	0.363
TPSY106*035#0250	Y	10	35	85	23	125	3.5	6	250	1 1)	0.908	0.636	0.303
TPSC156*035#0250	C	15				125	5.3	6	350	1		0.505	0.203
			35	85	23						0.561		
FPSC156*035#0450	C	15	35	85	23	125	5.3	6	450	1	0.494	0.445	0.198
FPSD156*035#0100	D	15	35	85	23	125	5.3	6	100	1	1.225	1.102	0.490
TPSD156*035#0300	D	15	35	85	23	125	5.3	6	300	1 1	0.707	0.636	0.283
TPSY156*035#0250		15	35	85	23	125	5.3	6	250	11)	0.707	0.636	0.283
PSD226*035#0125	D	22	35	85	23	125	7.7	6	125	1	1.095	0.986	0.438
FPSD226*035#0200	D	22	35	85	23	125	7.7	6	200	1	0.866	0.779	0.346
FPSD226*035#0300	D	22	35	85	23	125	7.7	6	300	1	0.707	0.636	0.283
FPSD226*035#0400	D	22	35	85	23	125	7.7	6	400	1	0.612	0.551	0.245
TPSE226*035#0125	E	22	35	85	23	125	7.7	6	125	11)	1.149	1.034	0.460
TPSE226*035#0200	E	22	35	85	23	125	7.7	6	200	11)	0.908	0.817	0.363
TPSE226*035#0300	E	22	35	85	23	125	7.7	6	300	11)	0.742	0.667	0.297
TPSY226*035#0200	Y	22	35	85	23	125	7.7	6	200	11)	0.791	0.712	0.316
PSD336*035#0200	D	33	35	85	23	125	11.6	6	200		0.866	0.779	0.346
FPSD336*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
FPSE336*035#0300	E	33	35	85	23	125	11.6	6	300	11)	0.742	0.667	0.297
FPSV336*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
TPSE476*035#0250	Е	47	35	85	23	125	16.5	6	250	1 ¹⁾	0.812	0.731	0.325
TPSV476*035#0150	V	47	35	85	23	125	16.5	6	150	1 ¹⁾	1.291	1.162	0.516
TPSV476*035#0200	V	47	35	85	23	125	16.5	6	200	11)	1.118	1.006	0.447
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
					50 Vol	t @ 85°C							
TPSA154*050#9000	Α	0.15	50	85	33	125	0.5	4	9000	1	0.091	0.082	0.037

Low ESR



RATINGS & PART NUMBER REFERENCE

AVX	Case	Capacitance	Rated	Rated	Category	_Category	DCL	DF	ESR		100kH	RMS Cur	rent (A)
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	(μΑ) Max.	% Max.	Max. (mΩ) @ 100kHz	MSL	25°C	85°C	125°C
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	1	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	1	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	1	0.271	0.244	0.108
TPSD225*050#1200	D	2.2	50	85	33	125	1.1	6	1200	1	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
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	E	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	E	15	50	85	33	125	7.5	6	250	11)	0.812	0.731	0.325
TPSV156*050#0250	V	15	50	85	33	125	7.5	6	250	11)	1.000	0.900	0.400

^{119 -} Dry pack option (see How to order) recommended for reduction of stress during soldering. Dry pack parts should be treated as MSL 3.

For AEC-Q200 availability, please contact AVX.

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 214.

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 t	o +125°	C)					
IESI		Condition		Characteristics								
	Determine	after application of rated	l voltage for 2000	Visual examination no visible damage								
		urs at 85±2°C and then le		DCL	1.5 x	initial lir	nit					
Endurance		perature. Also determine gory voltage for 2000 +48		ΔC/C	withi	n ±10%	of initial	value				
		ng 1-2 hours at room tem		DF	initial	limit						
		pedance to be $\leq 0.1\Omega/V$.		ESR	1.25	x initial l	imit					
				Visual examination	no vi	sible daı	mage					
		e after storage without a		DCL	1.5 x	initial lir	nit					
Humidity		C and 95±2% relative hud then recovery 1-2 hou		ΔC/C	within ±10% of initial value							
	temperati			DF	1.2 x initial limit							
				ESR	1.25	x initial l	imit					
	Step	Temperature°C	Duration(min)		+20°C	-55°C	+20°C	+85°C	+125°C	+20°C		
Temperature	1	+20±2	15	DCL	IL*	n/a	IL*	10 x IL*	12.5 x IL*	IL*		
Stability	3	-55+0/-3 +20+2	15 15	ΔC/C	n/a	+0/-10%	±5%	+10/-0%	+12/-0%	±5%		
Otability	4	+85+3/-0	15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*	2 x IL*	IL*		
	5	+125+3/-0	15	DΓ	IL	1.3 X IL	IL	1.3 X IL	ZXIL	IL.		
	6	+20±2	15	ESR	1.25 x IL*	2.5 x IL*	1.25 x IL*	1.25 x IL*	1.25 x IL*	1.25 x IL*		
		oerature: 125°C+3/0°C		Visual examination	no vi	sible daı	mage					
Surge	Surge vo	Itage: 1.3 x category v	oltage at 125°C	DCL	initial	limit						
Voltage		otection resistance 100 e resistance: 1000Ω	00±100Ω	ΔC/C	withi	n ±5% c	of initial v	/alue				
		of cycles: 1000x	harao	DF	initial	limit						
	Cycle du	ration: 6 min; 30 sec c 5 min 30 sec di		ESR	1.25	x initial l	imit					

*Initial Limit





Low ESR - Automotive Product Range

TPS AUTOMOTIVE RANGE CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

Capa	acitance			Rate	d Voltage DC (V _R) to	85°C		
μF	Code	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.15	154							
0.22	224							A(7000)
0.33	334						A(6000)	A(7000)
0.47	474					A(7000)	A(6000)	A(6500), B(6000)
0.68	684					A(6000)	A(6000)	B(4000)
1.0	105			A(6200)	A(3000)	A(4000)	A(3000), B(2000)	B(3000), C(2500)
1.5	155				A(3000)	A(3000)	A(3000), B(2500)	C(1500,2000)
2.2	225		A(1800)	A(1800,3500)	A(3000), B(1700)	A(2500), B(900,1200,2500)	B(750,1500,2000), C(1000)	C(1500), D(1200)
3.3	335	A(2100)		A(3500), B(2500)	A(2500), B(1300)	B(750,1500,2000)	B(1000), C(700)	C(1000), D(800)
4.7	475		A(1400), B(1400)	A(2000), B(800,1500)	A(1800), B(750,1000)	B(700,900), C(700)	B(700,1500), C(600), D(700)	C(800), D(250,500,700)
6.8	685		A(1800), B(1300)	A(1500), B(600,1200)	B(600,1000), C(700)	B(700), C(500,600,700)	C(350), D(400,500)	D(500,600)
10	106	A(1500), B(1500)	A(900,1800), B(1000)	A(1000), B(500,800), C(500)	B(500,1000), C(500,700)	C(300,500), D(500)	C(600), D(300)	D(500), E(250,300,400,500)
15	156	A(700,1500)	A(1000), B(450,600), C(700)	B(500,800) C(300,700)	B(500), C(400,450)	C(220,300), D(300)	D(300)	E(250)
22	226	A(500,900), B(375,600), C(500)	A(900), B(400,500,700), C(180,300)	B(400,600), C(300,375), D(500), D(700)	C(400), D(200,300)	C(275,400), D(200,300)	D(200,300,400), E(200,300)	
33	336	A(600), B(250,350,450,600)	B(250,425,500,650), C(375,500)	C(225,300), D(200)	C(300), D(160,200)	D(200,300)	E(250,300)	
47	476	B(250,350,500), C(300)	B(250,350,500,650), C(200,350), D(300)	C(350), D(200)	D(200)	D(125,150,250), E(125)		
68	686	B(250,350,500), C(150,200)	C(200,300), D(150)	C(200), D(150)	D(150,200,300), E(125,150,200)			
100	107	C(150), D(300)	C(150,200), D(100,125,150)	D(100,125,150), E(100,125,150)	E(100,150,200)			
150	157	C(150,200,250), D(125)	D(85,100), E(100)	E(100)				
220	227	D(100,125)	D(100,150), E(70,100,125,150)					
330	337	D(70,100), E(100,125,150)	E(50,60,100)					
470	477	D(45,60,100,200), E(45,50,60,100,200)						
680	687	E(45,60,100)						

Not recommended for new designs, higher voltage or smaller case size substitution are offered.

Released codes

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.

HOW TO ORDER

C **TPS** 0150 107 M 010 Т Rated DC Voltage $\textbf{ESR in } \textbf{m} \boldsymbol{\Omega}$ Dry Pack **Case Size Capacitance Code Tolerance Packaging** Type 006 = 6.3Vdc 010 = 10Vdc 025 = 25Vdc 035 = 35Vdc See table pF code: 1st two digits $K = \pm 10\%$ T = Automotive Lead Free Option represent significant figures, 7" Reel (D,E case sizes $M = \pm 20\%$ above 016 = 16 Vdc050 = 50 Vdcmandatory) U = Automotive Lead Free 3rd digit represents multiplier 020 = 20 Vdc(number of zeros to follow) 13" Reel

TECHNICAL SPECIFICATIONS



Technical Data:		All te	chnical dat	ta relate to	an ambiei	nt tempera	ature of +2		COMPONENT	COMPLIANT
Capacitance Range:		0.22	μF to 680	μF						
Capacitance Tolerance:		±10%	%; ±20%							
Rated Voltage (V _R)	≤ +85°C:	6.3	10	16	20	25	35	50		
Category Voltage (V _C)	≤ +125°C:	4	7	10	13	17	23	33		
Surge Voltage (V _S)	≤ +85°C:	8	13	20	26	32	46	65		
Surge Voltage (V _S)	≤ +125°C:	5	8	13	16	20	28	40		
Temperature Range:		-55°C	to +125°	C						
Environmental Classification:		55/12	25/56 (IEC	68-2)						
Reliability:		1% p	er 1000 h	ours at 85°	°C, V _R with	0.1Ω/V se	eries imped	dance, 60°	% confiden	ce level
Termination Finished:		Sn Pl	ating (star	idard), Gol	d and SnF	b Plating u	upon requ	est		
		Meet	s requirem	ents of AE	C-Q200	•	•	•		





Low ESR - Automotive Product Range

AVX	Case	Capacitance	Rated	Rated	Category	_ Category	DCL	DF	ESR		100kHz RMS Current (A)		
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	(μA) Max.	% Max.	Max. (mΩ) @ 100kHz	MSL	25°C	85°C	125°C
TPSA335*006T2100	Α	3.3	6.3	85	6.3 VO	It @ 85°C	0.5	6	2100	1	0.189	0.170	0.076
TPSA106*006T1500	A	10	6.3	85	4	125	0.6	6	1500	1	0.224	0.201	0.089
TPSB106*006T1500	В	10	6.3	85	4	125	0.6	6	1500	1	0.238	0.214	0.095
TPSA156*006T0700	A	15	6.3	85	4	125	0.9	6	700	1	0.327	0.295	0.131
TPSA156*006T1500	A	15	6.3	85	4	125	0.9	6	1500	1	0.224	0.201	0.089
TPSA226*006T0500	A	22	6.3	85	4	125	1.4	6	500	1	0.387	0.349	0.155
TPSA226*006T0900	A	22	6.3	85	4	125	1.4	6	900	1	0.289	0.260	0.115
TPSB226*006T0375	В	22	6.3	85	4	125	1.4	6	375	1	0.476	0.428	0.190
TPSB226*006T0600	В	22	6.3	85	4	125	1.4	6	600	1	0.376	0.339	0.151
TPSC226*006T0500	C	22	6.3	85	4	125	1.4	6	500	1	0.469	0.422	0.188
TPSA336*006T0600	Α	33	6.3	85	4	125	2.1	8	600	1	0.354	0.318	0.141
TPSB336*006T0250	В	33	6.3	85	4	125	2.1	6	250	1	0.583	0.525	0.233
TPSB336*006T0350	В	33	6.3	85	4	125	2.1	6	350	1	0.493	0.444	0.197
TPSB336*006T0450	В	33	6.3	85	4	125	2.1	6	450	1	0.435	0.391	0.174
TPSB336*006T0600	В	33	6.3	85	4	125	2.1	6	600	1	0.376	0.339	0.151
TPSB476*006T0250	В	47	6.3	85	4	125	3	6	250	1	0.583	0.525	0.233
TPSB476*006T0350	В	47	6.3	85	4	125	3	6	350	1	0.493	0.444	0.197
TPSB476*006T0500	В	47	6.3	85	4	125	3	6	500	1	0.412	0.371	0.165
TPSC476*006T0300	C	47	6.3	85	4	125	3	6	300	1	0.606	0.545	0.242
TPSB686*006T0250	В	68	6.3	85	4	125	4	8	250	1	0.583	0.525	0.233
TPSB686*006T0350	В	68	6.3	85	4	125	4	8	350	1	0.493	0.444	0.197
TPSB686*006T0500	В	68	6.3	85	4	125	4	8	500	1	0.412	0.371	0.165
TPSC686*006T0150	C	68	6.3	85	4	125	4.3	6	150	1	0.856	0.771	0.343
TPSC686*006T0200	Č	68	6.3	85	4	125	4.3	6	200	1	0.742	0.667	0.297
TPSC107*006T0150	С	100	6.3	85	4	125	6.3	6	150	1	0.856	0.771	0.343
TPSD107*006T0300V	D	100	6.3	85	4	125	6.3	6	300	3	0.707	0.636	0.283
TPSC157*006T0150	С	150	6.3	85	4	125	9.5	6	150	1	0.856	0.771	0.343
TPSC157*006T0200	С	150	6.3	85	4	125	9.5	6	200	1	0.742	0.667	0.297
TPSC157*006T0250	С	150	6.3	85	4	125	9.5	6	250	1	0.663	0.597	0.265
TPSD157*006T0125V	D	150	6.3	85	4	125	9.5	6	125	3	1.095	0.986	0.438
TPSD227*006T0100V	D	220	6.3	85	4	125	13.9	8	100	3	1.225	1.102	0.490
TPSD227*006T0125V	D	220	6.3	85	4	125	13.9	8	125	3	1.095	0.986	0.438
TPSD337*006T0070V	D	330	6.3	85	4	125	20.8	8	70	3	1.464	1.317	0.586
TPSD337*006T0100V	D	330	6.3	85	4	125	20.8	8	100	3	1.225	1.102	0.490
TPSE337*006T0100V	E	330	6.3	85	4	125	20.8	8	100	3	1.285	1.156	0.514
TPSE337*006T0125V	E	330	6.3	85	4	125	20.8	8	125	3	1.149	1.034	0.460
TPSE337*006T0150V	E	330	6.3	85	4	125	20.8	8	150	3	1.049	0.944	0.420
TPSD477*006T0045V	D	470	6.3	85	4	125	28	12	45	3	1.826	1.643	0.730
TPSD477*006T0060V	D	470	6.3	85	4	125	28	12	60	3	1.581	1.423	0.632
TPSD477*006T0100V	D	470	6.3	85	4	125	28	12	100	3	1.225	1.102	0.490
TPSD477*006T0200V	D	470	6.3	85	4	125	28	12	200	3	0.866	0.779	0.346
TPSE477*006T0045V	E	470	6.3	85	4	125	28	10	45	3	1.915	1.723	0.766
TPSE477*006T0050V	E	470	6.3	85	4	125	28	10	50	3	1.817	1.635	0.727
TPSE477*006T0060V	E	470	6.3	85	4	125	28	10	60	3	1.658	1.492	0.663
TPSE477*006T0100V	E	470	6.3	85	4	125	28	10	100	3	1.285	1.156	0.514
TPSE477*006T0200V	E	470	6.3	85	4	125	28	10	200	3	0.908	0.817	0.363
TPSE687*006T0045V	E	680	6.3	85	4	125	42.8	10	45	3	1.915	1.723	0.766
TPSE687*006T0060V	E	680	6.3	85	4	125	42.8	10	60	3	1.658	1.492	0.663
TPSE687*006T0100V	E	680	6.3	85	4	125	42.8	10	100	3	1.285	1.156	0.514
					10 Vol	t @ 85°C							
TPSA225*010T1800	A	2.2	10	85	7	125	0.5	6	1800	1	0.204	0.184	0.082
TPSA475*010T1400	A	4.7	10	85	7	125	0.5	6	1400	1	0.231	0.208	0.093
TPSB475*010T1400	В	4.7	10	85	7	125	0.5	6	1400	1	0.246	0.222	0.099
TPSA685*010T1800	A	6.8	10	85	7	125	0.7	6	1800		0.204	0.184	0.082
TPSB685*010T1300	В	6.8	10	85	7	125	0.7	6	1300		0.256	0.230	0.102
TPSA106*010T0900	A	10	10	85	7	125		6	900	1	0.289	0.260	0.115
TPSA106*010T1800	A	10	10	85	7	125	1	6	1800	1	0.204	0.184	0.082
TPSB106*010T1000	В	10	10	85	7	125	1	6	1000		0.292	0.262	0.117
TPSA156*010T1000	A	15	10	85	7	125	1.5	6	1000	1	0.274	0.246	0.110
TPSB156*010T0450	В	15	10	85	7	125	1.5	6	450		0.435	0.391	0.174
TPSB156*010T0600	В	15	10	85	7	125	1.5	6	600	1	0.376	0.339	0.151
TPSC156*010T0700	C	15	10	85	7	125	1.5	6	700	1	0.396	0.357	0.159
TPSA226*010T0900	A	22	10	85	7	125	2.2	8	900		0.289	0.260	0.115
TDODOO+010T0100	В	22	10	85	7	125	2.2	6	400	1	0.461	0.415	0.184
TPSB226*010T0400		1 ')')	10	85	7	125	2.2	6	500	1	0.412	0.371	0.165
TPSB226*010T0500	В	22			_			_			1 0 0 '	0 0	
TPSB226*010T0500 TPSB226*010T0700	В	22	10	85	7	125	2.2	6	700	11	0.348	0.314	0.139
TPSB226*010T0500 TPSB226*010T0700 TPSC226*010T0180	ВС	22 22	10 10	85 85	7	125	2.2	6	180	1	0.782	0.704	0.313
TPSB226*010T0500 TPSB226*010T0700 TPSC226*010T0180 TPSC226*010T0300	B C C	22 22 22	10 10 10	85 85 85	7 7	125 125	2.2 2.2	6	180 300	1	0.782 0.606	0.704 0.545	0.313 0.242
TPSB226*010T0500 TPSB226*010T0700 TPSC226*010T0180	ВС	22 22	10 10	85 85	7	125	2.2	6	180	1	0.782	0.704	0.313



Low ESR - Automotive Product Range

AVX	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR	MC	100kHz RMS Current (A)			
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	(μA) Max.	% Max.	Max. (mΩ) @ 100kHz	MSL	25°C	85°C	125°C	
TPSB336*010T0500	В	33	10	85	7	125	3.3	6	500	1	0.412	0.371	0.165	
TPSB336*010T0650	В	33	10	85	7	125	3.3	6	650	1	0.362	0.325	0.145	
TPSC336*010T0375	С	33	10	85	7	125	3.3	6	375	1	0.542	0.487	0.217	
TPSC336*010T0500	С	33	10	85	7	125	3.3	6	500	1	0.469	0.422	0.188	
TPSB476*010T0250	В	47	10	85	7	125	4.7	8	250		0.583	0.525	0.233	
TPSB476*010T0350	В	47	10	85	7	125	4.7	8	350	1	0.493	0.444	0.197	
TPSB476*010T0500	В	47	10	85	7	125	4.7	8	500		0.412	0.371	0.165	
TPSB476*010T0650	В	47	10	85	7	125	4.7	8	650	1	0.362	0.325	0.145	
TPSC476*010T0200	C	47 47	10 10	85 85	7	125 125	4.7	6	200 350	1	0.742	0.667	0.297	
TPSC476*010T0350 TPSD476*010T0300V	D	47	10	85	7	125	4.7	6	300	3	0.561	0.505 0.636	0.224	
TPSC686*010T0200	C	68	10	85	7	125	6.8	6	200	1	0.742	0.667	0.297	
TPSC686*010T0300	C	68	10	85	7	125	6.8	6	300	1	0.606	0.545	0.242	
TPSD686*010T0150V	Ď	68	10	85	7	125	6.8	6	150	3	1.000	0.900	0.400	
TPSC107*010T0150	С	100	10	85	7	125	10	8	150	1	0.856	0.771	0.343	
TPSC107*010T0200	C	100	10	85	7	125	10	8	200	1	0.742	0.667	0.297	
TPSD107*010T0100V	D	100	10	85	7	125	10	6	100	3	1.225	1.102	0.490	
TPSD107*010T0125V	D	100	10	85	7	125	10	6	125	3	1.095	0.986	0.438	
TPSD107*010T0150V	D	100	10	85	7	125	10	6	150	3	1.000	0.900	0.400	
TPSD157*010T0085V	D	150	10	85	7	125	15	8	85	3	1.328	1.196	0.531	
TPSD157*010T0100V	D	150	10	85	7	125	15	8	100	3	1.225	1.102	0.490	
TPSE157*010T0100V	Е	150	10	85	7	125	15	8	100	3	1.285	1.156	0.514	
TPSD227*010T0100V	D	220	10	85	7	125	22	8	100	3	1.225	1.102	0.490	
TPSD227*010T0150V	D	220	10	85	7	125	22	8	150	3	1.000	0.900	0.400	
TPSE227*010T0070V	E	220	10	85	7	125	22	8	70	3	1.535	1.382	0.614	
TPSE227*010T0100V	E	220	10	85	7	125	22	8	100	3	1.285	1.156	0.514	
TPSE227*010T0125V	E	220	10	85	7	125	22	8	125	3	1.149	1.034	0.460	
TPSE227*010T0150V TPSE337*010T0050V	E	220 330	10	85	7	125	22 33	8	150	3	1.049	0.944	0.420	
TPSE337*010T0050V	E	330	10	85 85	7	125 125	33	8	50 60	3	1.817	1.635 1.492	0.727	
TPSE337*010T01000V	E	330	10	85	7	125	33	8	100	3	1.285	1.156	0.663	
1F3L337 01010100V	<u> </u>	330	10	00	16 Vol	t @ 85°C	00	0	100	J	1.200	1.130	0.514	
TPSA105*016T6200	Α	1.0	16	85	10 10	125	0.5	4	6200	1	0.110	0.099	0.044	
TPSA225*016T1800	Α	2.2	16	85	10	125	0.5	6	1800	1	0.204	0.184	0.082	
TPSA225*016T3500	A	2.2	16	85	10	125	0.5	6	3500	1	0.146	0.132	0.059	
TPSA335*016T3500	Α	3.3	16	85	10	125	0.5	6	3500	1	0.146	0.132	0.059	
TPSB335*016T2500	В	3.3	16	85	10	125	0.5	6	2500	1	0.184	0.166	0.074	
TPSA475*016T2000	Α	4.7	16	85	10	125	0.8	6	2000	1	0.194	0.174	0.077	
TPSB475*016T0800	В	4.7	16	85	10	125	0.8	6	800	1	0.326	0.293	0.130	
TPSB475*016T1500	В	4.7	16	85	10	125	0.8	6	1500	1	0.238	0.214	0.095	
TPSA685*016T1500	Α	6.8	16	85	10	125	1.1	6	1500	11	0.224	0.201	0.089	
TPSB685*016T0600	В	6.8	16	85	10	125	1.1	6	600	11	0.376	0.339	0.151	
TPSB685*016T1200	В	6.8	16	85	10	125	1.1	6	1200		0.266	0.240	0.106	
TPSA106*016T1000	A	10	16	85	10	125	1.6	6	1000	1	0.274	0.246	0.110	
TPSB106*016T0500	В	10 10	16 16	85	10	125	1.6	6	500	1	0.412	0.371	0.165	
TPSB106*016T0800 TPSC106*016T0500	B	10	16	85 85	10	125 125	1.6 1.6	6	800 500	1	0.326	0.293	0.130	
TPSB156*016T0500	В	15	16	85	10	125	2.4	6	500	1	0.412	0.422	0.165	
TPSB156*016T0800	В	15	16	85	10	125	2.4	6	800	1	0.326	0.293	0.130	
TPSC156*016T0300	C	15	16	85	10	125	2.4	6	300	1	0.606	0.545	0.130	
TPSC156*016T0700	C	15	16	85	10	125	2.4	6	700	1	0.396	0.357	0.159	
TPSB226*016T0400	В	22	16	85	10	125	3.5	6	400	1	0.461	0.415	0.184	
TPSB226*016T0600	В	22	16	85	10	125	3.5	6	600	1	0.376	0.339	0.151	
TPSC226*016T0300	С	22	16	85	10	125	3.5	6	300	1	0.606	0.545	0.242	
TPSC226*016T0375	C	22	16	85	10	125	3.5	6	375	1	0.542	0.487	0.217	
TPSD226*016T0500V	D	22	16	85	10	125	3.5	6	500	3	0.548	0.493	0.219	
TPSD226*016T0700V	D	22	16	85	10	125	3.5	6	700	3	0.463	0.417	0.185	
TPSC336*016T0225	С	33	16	85	10	125	5.3	6	225	1	0.699	0.629	0.280	
TPSC336*016T0300	С	33	16	85	10	125	5.3	6	300	1	0.606	0.545	0.242	
TPSD336*016T0200V	D	33	16	85	10	125	5.3	6	200	3	0.866	0.779	0.346	
TPSC476*016T0350	C	47	16	85	10	125	7.5	6	350	1	0.561	0.505	0.224	
TPSD476*016T0200V	D	47	16	85	10	125	7.5	6	200	3	0.866	0.779	0.346	
TPSC686*016T0200	С	68	16	85	10	125	10.9	6	200	1	0.742	0.667	0.297	
	D	68	16	85	10	125	10.9	6	150	3	1.000	0.900	0.400	
TPSD686*016T0150V		100	16	85	10	125	16	6	100	3	1.225	1.102	0.490	
TPSD686*016T0150V TPSD107*016T0100V	D	100	4.0	O.E	1 10									
TPSD686*016T0150V TPSD107*016T0100V TPSD107*016T0125V	D	100	16	85	10	125	16	6	125	3	1.095	0.986		
TPSD686*016T0150V TPSD107*016T0100V TPSD107*016T0125V TPSD107*016T0150V	D D	100	16	85	10	125	16	6	150	3	1.000	0.900	0.400	
TPSD686*016T0150V TPSD107*016T0100V TPSD107*016T0125V TPSD107*016T0150V TPSE107*016T0100V	D D E	100 100	16 16	85 85	10 10	125 125	16 16	6	150 100	3	1.000 1.285	0.900 1.156	0.400 0.514	
TPSD686*016T0150V TPSD107*016T0100V TPSD107*016T0125V TPSD107*016T0150V	D D	100	16	85	10	125	16	6	150	3	1.000	0.900	0.400	



Low ESR - Automotive Product Range

AVX	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR Mov (m0)	MCI	100kHz	RMS Cur	rent (A)
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	(μΑ) Max.	% Max.	Max. (mΩ) @ 100kHz	MSL	25°C	85°C	125°C
			(-/	(-)		t @ 85°C							
TPSA105*020T3000	Α	1	20	85	13	125	0.5	4	3000	1	0.158	0.142	0.063
TPSA155*020T3000	Α	1.5	20	85	13	125	0.5	6	3000		0.158	0.142	0.063
TPSA225*020T3000	A	2.2	20	85	13	125	0.5	6	3000	1	0.158	0.142	0.063
TPSB225*020T1700 TPSA335*020T2500	В	2.2 3.3	20 20	85 85	13 13	125 125	0.5	6	1700 2500	1	0.224	0.201	0.089
TPSB335*020T1300	B	3.3	20	85	13	125	0.7	6	1300	1	0.173	0.130	0.102
TPSA475*020T1800	A	4.7	20	85	13	125	0.7	6	1800	1	0.204	0.230	0.102
TPSB475*020T0750	В	4.7	20	85	13	125	0.9	6	750	1	0.337	0.303	0.135
TPSB475*020T1000	В	4.7	20	85	13	125	0.9	6	1000	1	0.292	0.262	0.117
TPSB685*020T0600	В	6.8	20	85	13	125	1.4	6	600	1	0.376	0.339	0.151
TPSB685*020T1000	В	6.8	20	85	13	125	1.4	6	1000	1	0.292	0.262	0.117
TPSC685*020T0700	С	6.8	20	85	13	125	1.4	6	700	11	0.396	0.357	0.159
TPSB106*020T0500	В	10	20	85	13	125	2	6	500	1	0.412	0.371	0.165
TPSB106*020T1000	В	10	20	85	13	125	2	6	1000	1	0.292	0.262	0.117
TPSC106*020T0500 TPSC106*020T0700	С	10 10	20 20	85 85	13 13	125 125	2	6	500 700	1	0.469	0.422	0.188
TPSB156*020T0500	В	15	20	85	13	125	3	6	500	1	0.396	0.357	0.159
TPSC156*020T0400	C	15	20	85	13	125	3	6	400	1	0.524	0.371	0.103
TPSC156*020T0450	C	15	20	85	13	125	3	6	450	1	0.494	0.472	0.198
TPSC226*020T0400	C	22	20	85	13	125	4.4	6	400	1	0.524	0.472	0.130
TPSD226*020T0200V	Ď	22	20	85	13	125	4.4	6	200	3	0.866	0.779	0.346
TPSD226*020T0300V	D	22	20	85	13	125	4.4	6	300	3	0.707	0.636	0.283
TPSC336*020T0300	С	33	20	85	13	125	6.6	6	300	1	0.606	0.545	0.242
TPSD336*020T0160V	D	33	20	85	13	125	6.6	6	160	3	0.968	0.871	0.387
TPSD336*020T0200V	D	33	20	85	13	125	6.6	6	200	3	0.866	0.779	0.346
TPSD476*020T0200V	D	47	20	85	13	125	9.4	6	200	3	0.866	0.779	0.346
TPSD686*020T0150V	D	68	20	85	13	125	13.6	6	150	3	1.000	0.900	0.400
TPSD686*020T0200V	D	68	20	85	13	125	13.6	6	200	3	0.866	0.779	0.346
TPSD686*020T0300V	D	68	20	85	13	125	13.6	6	300	3	0.707	0.636	0.283
TPSE686*020T0125V	E	68	20	85	13 13	125 125	13.6	6	125	3	1.149	1.034	0.460
TPSE686*020T0150V TPSE686*020T0200V	E	68 68	20	85 85	13	125	13.6 13.6	6	150 200	3	1.049 0.908	0.944	0.420
TPSE107*020T0100V	E	100	20	85	13	125	20	6	100	3	1.285	1.156	0.514
TPSE107*020T0150V	E	100	20	85	13	125	20	6	150	3	1.049	0.944	0.420
TPSE107*020T0200V	Ē	100	20	85	13	125	20	6	200	3	0.908	0.817	0.363
						t @ 85°C			,,-,				
TPSA474*025T7000	Α	0.47	25	85	17	125	0.5	4	7000	1	0.104	0.093	0.041
TPSA684*025T6000	Α	0.68	25	85	17	125	0.5	4	6000	1	0.112	0.101	0.045
TPSA105*025T4000	Α	1.0	25	85	17	125	0.5	4	4000	11	0.137	0.123	0.055
TPSA155*025T3000	Α	1.5	25	85	17	125	0.5	6	3000	1	0.158	0.142	0.063
TPSA225*025T2500	Α	2.2	25	85	17	125	0.6	6	2500	1	0.173	0.156	0.069
TPSB225*025T0900	В	2.2	25	85	17	125	0.6	6	900	1	0.307	0.277	0.123
TPSB225*025T1200	В	2.2	25	85	17	125	0.6	6	1200	1	0.266	0.240	0.106
TPSB225*025T2500	B	2.2 3.3	25 25	85 85	17 17	125 125	0.6	6	2500	1	0.184	0.166	0.074
TPSB335*025T0750 TPSB335*025T1500	В	3.3	25	85	17	125	0.8	6	750 1500	1	0.337	0.303	0.135
TPSB335*025T2000	В	3.3	25	85	17	125	0.8	6	2000	1	0.206	0.214	0.082
TPSB475*025T0700	В	4.7	25	85	17	125	1.2	6	700	1	0.200	0.314	0.139
TPSB475*025T0900	В	4.7	25	85	17	125	1.2	6	900	1	0.307	0.277	0.123
TPSC475*025T0700	C	4.7	25	85	17	125	1.2	6	700	1	0.396	0.357	0.159
TPSB685*025T0700	В	6.8	25	85	17	125	1.7	6	700	1	0.348	0.314	0.139
TPSC685*025T0500	С	6.8	25	85	17	125	1.7	6	500	1	0.469	0.422	0.188
TPSC685*025T0600	С	6.8	25	85	17	125	1.7	6	600	1	0.428	0.385	0.171
TPSC685*025T0700	С	6.8	25	85	17	125	1.7	6	700	1	0.396	0.357	0.159
TPSC106*025T0300	С	10	25	85	17	125	2.5	6	300	1	0.606	0.545	0.242
TPSC106*025T0500	С	10	25	85	17	125	2.5	6	500	1	0.469	0.422	0.188
TPSD106*025T0500V	D	10	25	85	17	125	2.5	6	500	3	0.548	0.493	0.219
TPSC156*025T0220	C	15	25	85	17	125	3.8	6	220	1	0.707	0.636	0.283
TPSC156*025T0300	C	15	25	85	17	125	3.8	6	300	1	0.606	0.545	0.242
TPSD156*025T0300V TPSC226*025T0275	C	15 22	25 25	85 85	17 17	125 125	3.8 5.5	6	300 275	3	0.707	0.636	0.283
TPSC226*025T0275	C	22	25	85	17	125	5.5	6	400	1	0.524	0.369	0.233
TPSD226*025T0200V	D	22	25	85	17	125	5.5	6	200	3	0.866	0.472	0.210
TPSD226*025T0300V	D	22	25	85	17	125	5.5	6	300	3	0.707	0.636	0.283
TPSD336*025T0200V	D	33	25	85	17	125	8.3	6	200	3	0.866	0.030	0.265
TPSD336*025T0300V	D	33	25	85	17	125	8.3	6	300	3	0.707	0.636	0.283
TPSD476*025T0125V	D	47	25	85	17	125	11.8	6	125	3	1.095	0.986	0.438
	D	47	25	85	17	125	11.8	6	150	3	1.000	0.900	0.400
TPSD476*02510150V	1 1												,
TPSD476*025T0150V TPSD476*025T0250V	D	47	25	85	17	125	11.8	6	250	3	0.775	0.697	0.310



Low ESR - Automotive Product Range

RATINGS & PART NUMBER REFERENCE

AVX	Case	Capacitance	Rated	Rated	Category	_ Category	DCL	DF	ESR		100kHz	RMS Cur	rent (A)
Part No.	Size	(μF)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	(μΑ) Max.	% Max.	Max. (mΩ) @ 100kHz	MSL	25°C	85°C	125°C
			(*)	(0)		t @ 85°C	IVIGAL	Muxi	@ TOOKITE				
TPSA334*035T6000	Α	0.33	35	85	23	125	0.5	4	6000	1	0.112	0.101	0.045
TPSA474*035T6000	Α	0.47	35	85	23	125	0.5	4	6000	1	0.112	0.101	0.045
TPSA684*035T6000	Α	0.68	35	85	23	125	0.5	4	6000	1	0.112	0.101	0.045
TPSA105*035T3000	Α	1	35	85	23	125	0.5	4	3000	1	0.158	0.142	0.063
TPSB105*035T2000	В	1	35	85	23	125	0.5	4	2000	1	0.206	0.186	0.082
TPSA155*035T3000	Α	1.5	35	85	23	125	0.5	6	3000	1	0.158	0.142	0.063
TPSB155*035T2500	В	1.5	35	85	23	125	0.5	6	2500	1	0.184	0.166	0.074
TPSB225*035T0750	В	2.2	35	85	23	125	0.8	6	750	1	0.337	0.303	0.135
TPSB225*035T1500	В	2.2	35	85	23	125	0.8	6	1500	1	0.238	0.214	0.095
TPSB225*035T2000	В	2.2	35	85	23	125	0.8	6	2000	1	0.206	0.186	0.082
TPSC225*035T1000	С	2.2	35	85	23	125	0.8	6	1000	1	0.332	0.298	0.133
TPSB335*035T1000	В	3.3	35	85	23	125	1.2	6	1000	1	0.292	0.262	0.117
TPSC335*035T0700	С	3.3	35	85	23	125	1.2	6	700	1	0.396	0.357	0.159
TPSB475*035T0700	В	4.7	35	85	23	125	1.6	6	700	1	0.348	0.314	0.139
TPSB475*035T1500	В	4.7	35	85	23	125	1.6	6	1500	1	0.238	0.214	0.095
TPSC475*035T0600	С	4.7	35	85	23	125	1.6	6	600	1	0.428	0.385	0.171
TPSD475*035T0700V	D	4.7	35	85	23	125	1.6	6	700	3	0.463	0.417	0.185
TPSC685*035T0350	С	6.8	35	85	23	125	2.4	6	350	1	0.561	0.505	0.224
TPSD685*035T0400V	D	6.8	35	85	23	125	2.4	6	400	3	0.612	0.551	0.245
TPSD685*035T0500V	D	6.8	35	85	23	125	2.4	6	500	3	0.548	0.493	0.219
TPSC106*035T0600	С	10	35	85	23	125	3.5	6	600	1	0.428	0.385	0.171
TPSD106*035T0300V	D	10	35	85	23	125	3.5	6	300	3	0.707	0.636	0.283
TPSD156*035T0300V	D	15	35	85	23	125	5.3	6	300	3	0.707	0.636	0.283
TPSD226*035T0200V	D	22	35	85	23	125	7.7	6	200	3	0.866	0.779	0.346
TPSD226*035T0300V	D	22	35	85	23	125	7.7	6	300	3	0.707	0.636	0.283
TPSD226*035T0400V	D	22	35	85	23	125	7.7	6	400	3	0.612	0.551	0.245
TPSE226*035T0200V	Е	22	35	85	23	125	7.7	6	200	3	0.908	0.817	0.363
TPSE226*035T0300V	Е	22	35	85	23	125	7.7	6	300	3	0.742	0.667	0.297
TPSE336*035T0250V	Е	33	35	85	23	125	11.6	6	250	3	0.812	0.731	0.325
TPSE336*035T0300V	Е	33	35	85	23	125	11.6	6	300	3	0.742	0.667	0.297
					50 Vol	t @ 85°C							
TPSA224*050T7000	Α	0.22	50	85	33	125	0.5	4	7000	1	0.104	0.093	0.041
TPSA334*050T7000	Α	0.33	50	85	33	125	0.5	4	7000	1	0.104	0.093	0.041
TPSA474*050T6500	Α	0.47	50	85	33	125	0.5	4	6500	1	0.107	0.097	0.043
TPSB474*050T6000	В	0.47	50	85	33	125	0.5	4	6000	1	0.119	0.107	0.048
TPSB684*050T4000	В	0.68	50	85	33	125	0.5	4	4000	1	0.146	0.131	0.058
TPSB105*050T3000	В	1	50	85	33	125	0.5	6	3000	1	0.168	0.151	0.067
TPSC105*050T2500	С	1	50	85	33	125	0.5	4	2500	1	0.210	0.189	0.084
TPSC155*050T1500	С	1.5	50	85	33	125	0.8	6	1500	1	0.271	0.244	0.108
TPSC155*050T2000	С	1.5	50	85	33	125	0.8	6	2000	11	0.235	0.211	0.094
TPSC225*050T1500	С	2.2	50	85	33	125	1.1	8	1500	1	0.271	0.244	0.108
TPSD225*050T1200V	D	2.2	50	85	33	125	1.1	6	1200	3	0.354	0.318	0.141
TPSC335*050T1000	С	3.3	50	85	33	125	1.6	6	1000	1	0.332	0.298	0.133
TPSD335*050T0800V	D	3.3	50	85	33	125	1.7	6	800	3	0.433	0.390	0.173
TPSC475*050T0800	С	4.7	50	85	33	125	2.4	6	800	1	0.371	0.334	0.148
TPSD475*050T0250V	D	4.7	50	85	33	125	2.4	6	250	1	0.775	0.697	0.310
TPSD475*050T0500V	D	4.7	50	85	33	125	2.4	6	500	3	0.548	0.493	0.219
TPSD475*050T0700V	D	4.7	50	85	33	125	2.4	6	700	3	0.463	0.417	0.185
TPSD685*050T0500V	D	6.8	50	85	33	125	3.4	6	500	3	0.548	0.493	0.219
TPSD685*050T0600V	D	6.8	50	85	33	125	3.4	6	600	3	0.500	0.450	0.200
TPSD106*050T0500V	D	10	50	85	33	125	5	6	500	3	0.548	0.493	0.219
TPSE106*050T0250V	Е	10	50	85	33	125	5	6	250	3	0.812	0.731	0.325
TPSE106*050T0300V	Е	10	50	85	33	125	5	6	300	3	0.742	0.667	0.297
TPSE106*050T0400V	Е	10	50	85	33	125	5	6	400	3	0.642	0.578	0.257
TPSE106*050T0500V	Е	10	50	85	33	125	5	6	500	3	0.574	0.517	0.230
TPSE156*050T0250V	Ē	15	50	85	33	125	7.5	6	250	3	0.812	0.731	0.325

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

For typical weight and composition see page 214.

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.



^{*}Please use "U" instead of "T" in the suffix letter for 13" reel packaging

Please use specific PN for automotive version – see "HOW TO ORDER".

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 is measured 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.



Low ESR - Automotive Product Range

QUALIFICATION TABLE

TEST		TF	S automotive	e series (Temperature range -55°C to +125°C)								
IESI		Condition			Characteristics							
	Determine	after application of rate	d voltage for 2000	Visual examination	tion no visible damage							
	+48/-0 ho	urs at 85±2°C and then le	eaving 1-2 hours at	DCL	1.25 x initial limit							
Endurance		perature. Also determine gory voltage for 2000 +48		ΔC/C	withi	n ±10%	of initial	value				
	then leaving	ng 1-2 hours at room tem		DF	initial	limit						
	supply im	pedance to be $\leq 0.1 \Omega/V$.		ESR	1.25	x initial	limit					
				Visual examination	no vi	sible da	mage					
				DCL	1.25	x initial	limit					
Storage Life	125°C, 0	V, 2000h		ΔC/C	withi	n ±10%	of initial	value				
•				DF	initial	limit						
				ESR	1.25	x initial	limit					
				Visual examination	no vi	sible da	mage					
	Determine	e after storage without a C and 95±2% relative hu	applied voltage	DCL	1.5 x	initial lir	nit					
Humidity	hours and	then recovery 1-2 hou	rs at room	ΔC/C	within ±10% of initial value							
-	temperati			DF	1.2 x initial limit							
				ESR	1.25	x initial	limit					
				Visual examination	no vi	sible da	mage					
Biased	Determine	e after leaving for 1000	hours at 85±2°C.	DCL	2 x ir	nitial limi	t					
Humidity	85% relat	tive humidity and rated	voltage and then	ΔC/C	withi	n ±10%	of initial	value				
riamilaity	recovery	1-2 hours at room temp	erature.	DF	1.2 x initial limit							
				ESR	1.25 x initial limit							
	Step	Temperature°C	Duration(min)		+20°C	-55°C	+20°C	+85°C	+125°C	+20°C		
Temperature	1	+20±2	15	DCL	IL*	n/a	IL*	10 x IL*	12.5 x IL*	IL*		
Stability	3	-55+0/-3 +20±2	15 15	ΔC/C	n/a	+0/-10%	±5%	+10/-0%	+12/-0%	±5%		
Ctability	4	+85+3/-0	15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*	2 x IL*	*		
	5	+125+3/-0	15									
	6	+20±2	15	ESR	1.25 x IL*	2.5 x IL*	1.25 x IL*	1.25 x IL*	1.25 x IL*	1.25 x IL		
	Test temr	perature: 125°C+3/0°C	:	Visual examination	no vi	sible da	mage					
	Test volta	ge: Category voltage	at 125°C	DCL	11411	limit						
Surge	Surge vo	ltage: 1.3 x category votection resistance 10	oltage at 125°C	DCL	initiai	IIIIII						
Voltage	Discharge	e resistance: 1000Ω	UU±1UU1/	ΔC/C	withi	n ±5% c	of initial v	/alue				
		of cycles: 1000x ration: 6 min; 30 sec c 5 min 30 sec di	harge,	DF	initial	limit						
		5 min 30 sec di	scnarge	ESR	1.25	x initial	limit					

*Initial Limit

