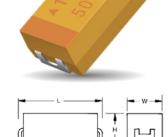
Low ESR

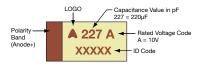




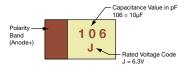


MARKING

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



P, R CASE



FEATURES

- Low ESR Series of Robust Mn0₂ Solid Electrolyte Capacitors
- · 100% Surge Current Tested
- CV Range: 0.15-1500µF / 2.5-50V
- 14 Case Sizes Available
- **Power Supply Applications**

APPLICATIONS

General Medium Power DC/DC Convertors







SnPb termination option is not RoHS compliant.

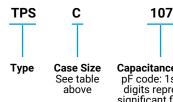
CASE DIMENSIONS:

millimeters (inches)

Cod	e 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)
٧	2924	7361-38	7.30 (0.287)	6.10 (0.240)	3.55 (0.140)	3.10 (0.122)	1.30 (0.051)	4.40 (0.173)
W	2312	6032-15	6.00 (0.236)	3.20 (0.126)	1.50 (0.059) max.	2.20 (0.087)	1.30 (0.051)	2.90 (0.114)
Х	2917	7343-15	7.30 (0.287)	4.30 (0.169)	1.50 (0.059) max.	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)
Υ	2917	7343-20	7.30 (0.287)	4.30 (0.169)	2.00 (0.079) max.	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)

W, dimension applies to the termination width for A dimensional area only

HOW TO ORDER



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

M **Tolerance** $K = \pm 10\%$

 $M = \pm 20\%$

Rated DC Voltage 002 = 2.5Vdc 004 = 4Vdc 006 = 6.3 Vdc010 = 10 Vdc

010

016 = 16Vdc 020 = 20 Vdc025 = 25Vdc 035 = 35Vdc 050 = 50Vdc R

Packaging R = Pure Tin 7" Reel S = Pure Tin 13" Reel A = Gold Plating 7" Reel B = Gold Plating 13" Reel H = Tin Lead 7" Reel K = Tin Lead 13" Reel H, K = Non RoHS A. B. H. K = Please

Contact Manufacturer

0100

ESR in mΩ

Additional characters may be added for special requirements V = Dry pack Option (selected ratings only)

TECHNICAL SPECIFICATIONS

Technical Data:		All techn	ical data	relate to	an ambie	nt tempe	rature of	+25°C			
Capacitance Range:		0.15 µF t	ο 1500 μ	F							
Capacitance Tolerance:		±10%; ±2	.0%								
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	
Surge Voltage (V _s)	≤ +125°C:	2.2	3.4	5	8	13	16	20	28	40	
Temperature Range:		-55°C to	+125°C					•			
Environmental Classification:		55/125/5	56 (IEC 6	8-2)							
Reliability:		1% per 10			, V _R with (0.1Ω/V se	eries impe	edance,			
Termination Finished:		Sn Platin			and SnP	b Plating	upon req	uest			
		For AEC-	Q200 ava	ailability, į	olease co	ntact KY	OCERA A	VΧ			

Low ESR



CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

Capa	citance				F	Rated Voltage DC (V	a) to 85°C			
μF	Code	2.5V (e)	4V (G)	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.15	154	- (-)	(-)		- ()		- ()			A(9000)
0.22	224								A(6000)	A(7000)
0.33	334								A(6000) A(6000)	A(7000) A(6500), B(6000)
0.47	474							A(7000)	B(4000)	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) A(1500)	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)	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(100,150,200)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(300,500,900) 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) F(150,200,400) 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)	D(300), 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) T(500) ^(M) 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)(M) 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(50,100), V(45,75) Y(200) ^(M)	V(80)	V(150) ^(M)		
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)	D(200) ^(M) E(50,100,150) 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)							

Released ratings^(M tolerance only) (ESR ratings in mOhms in parentheses)

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



Low ESR



RATINGS & PART NUMBER REFERENCE

Davi Nemekan	Case	Capacitance	Rated	Rated	Category	Category	DCL	DF	ESR Max.	100kH	z RMS Cur	rent (A)	MC
Part Number	Size	΄ (μ F)	Voltage (V)	Temperature (°C)	Voltage (V)	Temperature (°C)	Max. (µA)	Max. (%)	@ 100kHz (mΩ)	25°C	85°C	125°C	MSI
					2.5 Volt	@ 85°C							
PSB107*002#0200	В	100	2.5	85	1.7	125	2.5	8	200	0.652	0.587	0.261	1
PSB157*002#0150	В	150	2.5	85	1.7	125	3	10	150	0.753	0.677	0.301	1
PSB227*002#0150	В	220	2.5	85	1.7	125	4.4	16	150	0.753	0.677	0.301	1
PSB227*002#0200	В	220	2.5	85	1.7	125	4.4	16	200	0.652	0.587	0.261	1
PSB227*002#0600	В	220	2.5	85	1.7	125	4.4	16	600	0.376	0.339	0.151	1
PSD227*002#0045	D	220	2.5	85	1.7	125	5.5	8	45	1.826	1.643	0.730	1 ¹⁾
PSY337*002#0040	Υ	330	2.5	85	1.7	125	8.2	8	40	1.768	1.591	0.707	1 ¹⁾
PSD477*002#0035	D	470	2.5	85	1.7	125	11.6	8	35	2.070	1.863	0.828	11)
PSF477*002#0200	F	470	2.5	85	1.7	125	11.8	12	200	0.707	0.636	0.283	1
PSY477*002#0100	Υ	470	2.5	85	1.7	125	11	12	100	1.118	1.006	0.447	1 ¹⁾
PSD687*002#0035	D	680	2.5	85	1.7	125	17	16	35	2.070	1.863	0.828	1 ¹⁾
PSD687*002#0050	D	680	2.5	85	1.7	125	17	16	50	1.732	1.559	0.693	11)
PSE687*002#0035	E	680	2.5	85	1.7	125	17	10	35	2.171	1.954	0.868	1 ¹⁾
PSE687*002#0050	E	680	2.5	85	1.7	125	17	10	50	1.817	1.635	0.727	1 ¹⁾
PSY687*002#0100	Υ	680	2.5	85	1.7	125	17	12	100	1.118	1.006	0.447	11)
PSE108*002#0030	Е	1000	2.5	85	1.7	125	25	14	30	2.345	2.111	0.938	1 ¹⁾
PSE108*002#0040	E	1000	2.5	85	1.7	125	25	14	40	2.031	1.828	0.812	1 ¹⁾
PSY108M002#0100	Y	1000	2.5	85	1.7	125	25	30	100	1.118	1.006	0.447	1 ¹⁾
PSD158*002#0100	D	1500	2.5	85	1.7	125	37.5	60	100	1.225	1.102	0.490	1 ¹⁾
PSE158*002#0050	E	1500	2.5	85	1.7	125	37.5	20	50	1.817	1.635	0.727	11)
PSV158M002#0030	V	1500	2.5	85	1.7	125	30	20	30	2.887	2.598	1.155	1 ¹⁾
PSV158M002#0030 PSV158M002#0040	V	1500	2.5	85	1.7	125	30	20	40	2.500	2.250	1.000	11)
3.100π032π0040		1000	2.0			@ 85°C			-10	2.500	2.200	1.000	, ,
PSR106*004#3000	R	10	4	85	2.7	125	0.5	6	3000	0.135	0.122	0.054	1
PSA476*004#0500	A	47	4	85	2.7	125	1.9	8	500	0.387	0.349	0.155	1
PSB107*004#0200	В	100	4	85	2.7	125	4	8	200	0.652	0.587	0.261	1
PSB107*004#0250	В	100	4	85	2.7	125	4	8	250	0.583	0.525	0.233	1
PSB107*004#0350	В	100	4	85	2.7	125	4	8	350	0.493	0.444	0.197	1
PSB107*004#0500	В	100	4	85	2.7	125	4	8	500	0.412	0.371	0.165	1
PST107M004#0500	Т	100	4	85	2.7	125	4	14	500	0.400	0.360	0.160	1
PSW107*004#0100	W	100	4	85	2.7	125	4	6	100	0.949	0.854	0.379	1
PSB157*004#0250	В	150	4	85	2.7	125	6	10	250	0.583	0.525	0.233	1
PSC157*004#0070	C	150	4	85	2.7	125	6	6	70	1.254	1.128	0.501	1
PSC157*004#0080	C	150	4	85	2.7	125	6	6	80	1.173	1.055	0.469	1
PSD227*004#0040	D	220	4	85	2.7	125	8.8	8	40	1.936	1.743	0.775	11)
PSD227*004#0050	D	220	4	85	2.7	125	8.8	8	50	1.732	1.559	0.693	11)
PSD227*004#0100	D	220	4	85	2.7	125	8.8	8	100	1.225	1.102	0.490	117
PSY227*004#0040	Y	220	4	85	2.7	125	8.8	8	40	1.768	1.591	0.707	11)
PSY227*004#0050	Y	220	4	85	2.7	125	8.8	8	50	1.581	1.423	0.632	11)
PSY227*004#0075	Y	220	4	85	2.7	125	8.8	8	75	1.291	1.162	0.516	11)
PSC337*004#0100	C	330	4	85	2.7	125	13.2	8	100	1.049	0.944	0.420	1
PSD337*004#0100	D	330	4	85	2.7	125	13.2	8	35	2.070	1.863	0.828	11
PSD337*004#0035	D	330	4	85	2.7	125	13.2		45	1.826	1.643	0.828	111
	_							8					
PSD337*004#0100	D	330	4	85	2.7	125	13.2	8	100	1.225	1.102	0.490	11
PSF337*004#0200	F	330	4	85	2.7	125	13.2	10	200	0.707	0.636	0.283	1
PSX337*004#0100	X	330	4	85	2.7	125	13.2	8	100	1.000	0.900	0.400	11
PSD477*004#0045	D	470	4	85	2.7	125	18.8	12	45	1.826	1.643	0.730	11
PSD477*004#0100	D	470	4	85	2.7	125	18.8	12	100	1.225	1.102	0.490	11
PSE477*004#0035	E	470	4	85	2.7	125	18.8	10	35	2.171	1.954	0.868	11
PSE477*004#0045	E	470	4	85	2.7	125	18.8	10	45	1.915	1.723	0.766	11
PSE477*004#0100	E	470	4	85	2.7	125	18.8	10	100	1.285	1.156	0.514	1 ¹⁾
PSD687*004#0045	D	680	4	85	2.7	125	27.2	14	45	1.826	1.643	0.730	11
PSD687*004#0060	D	680	4	85	2.7	125	27.2	14	60	1.581	1.423	0.632	11
PSD687*004#0100	D	680	4	85	2.7	125	27.2	14	100	1.225	1.102	0.490	1 ¹
PSE687*004#0040	E	680	4	85	2.7	125	27.2	10	40	2.031	1.828	0.812	1 ¹
PSE687*004#0060	E	680	4	85	2.7	125	27.2	10	60	1.658	1.492	0.663	1 ¹
PSE687*004#0100	Е	680	4	85	2.7	125	27.2	10	100	1.285	1.156	0.514	1 ¹
PSE108*004#0040	E	1000	4	85	2.7	125	40	14	40	2.031	1.828	0.812	1 ¹
PSE108*004#0060	E	1000	4	85	2.7	125	40	14	60	1.658	1.492	0.663	1 ¹
PSV108*004#0025	V	1000	4	85	2.7	125	40	16	25	3.162	2.846	1.265	11
PSV108*004#0035	V	1000	4	85	2.7	125	40	16	35	2.673	2.405	1.069	11
PSV108*004#0040	V	1000	4	85	2.7	125	40	16	40	2.500	2.250	1.000	1 ¹
PSV108*004#0050	٧	1000	4	85	2.7	125	40	16	50	2.236	2.012	0.894	11
PSE158*004#0050	Е	1500	4	85	2.7	125	60	30	50	1.817	1.635	0.727	11
PSE158*004#0075	Е	1500	4	85	2.7	125	60	30	75	1.483	1.335	0.593	1 ¹
PSV158M004#0050	V	1500	4	85	2.7	125	60	30	50	2.236	2.012	0.894	11
PSV158M004#0075	V	1500	4	85	2.7	125	60	30	75	1.826	1.643	0.730	11
						@ 85°C					,		
PSR225*006#7000	R	2.2	6.3	85	4	125	0.5	6	7000	0.089	0.080	0.035	1
PSA335*006#2100	A	3.3	6.3	85	4	125	0.5	6	2100	0.189	0.170	0.035	1
PSS475*006#4000	S	4.7	6.3	85	4	125	0.5	6	4000	0.189	0.170	0.076	1
PSA685*006#4000	A	6.8	6.3	85	4	125	0.5	6	1800	0.127	0.113	0.031	1
PSA106*006#1500	A	10	6.3	85	4	125	0.6	6	1500	0.204	0.184	0.082	1
	B	10	6.3	85	4		0.6	6	1500		0.201	0.089	1
PSB106*006#1500						125				0.238			_
PSR106*006#1000	R	10	6.3	85	4	125	0.6	8	1000	0.235	0.211	0.094	1
PSR106*006#1500	R	10	6.3	85	4	125	0.6	8	1500	0.191	0.172	0.077	1
PSR106*006#3000	R	10	6.3	85	4	125	0.6	8	3000	0.135	0.122	0.054	1
PST106*006#1000	T	10	6.3	85	4	125	0.6	6	1000	0.283	0.255	0.113	1
PSA156*006#0700	A	15	6.3	85	4	125	0.9	6	700	0.327	0.295	0.131	1
	Α	15	6.3	85	4	125	0.9	6	1500	0.224	0.201	0.089	1
TPSA156*006#1500 TPSA226*006#0300	A	22	6.3	85	4	125	1.4	6	300	0.500	0.450	0.200	1

Low ESR



Part Number	Case	Capacitance	Rated Voltage	Rated Temperature	Category Voltage	Category Temperature	DCL Max.	DF Max.	ESR Max.	100kH	z RMS Cur	rent (A)	MS
raitrumpei	Size	(μF)	(V)	(°C)	(V)	(°C)	(µA)	(%)	@ 100kHz (mΩ)	25°C	85°C	125°C	IVI
PSA226*006#0500	Α	22	6.3	85	4	125	1.4	6	500	0.387	0.349	0.155	1
PSA226*006#0900	A	22	6.3	85	4	125	1.4	6	900	0.289	0.260	0.115	1
PSB226*006#0375 PSB226*006#0600	B	22	6.3	85 85	4	125 125	1.4	6	375 600	0.476 0.376	0.428	0.190 0.151	1
PSC226*006#0500	C	22	6.3 6.3	85	4	125	1.4	6	500	0.469	0.339	0.131	1
PSS226*006#0900	S	22	6.3	85	4	125	1.3	10	900	0.469	0.422	0.107	-
PSA336*006#0600	A	33	6.3	85	4	125	2.1	8	600	0.354	0.318	0.141	-
PSB336*006#0250	В	33	6.3	85	4	125	2.1	6	250	0.583	0.525	0.233	
PSB336*006#0350	В	33	6.3	85	4	125	2.1	6	350	0.493	0.444	0.197	
PSB336*006#0450	В	33	6.3	85	4	125	2.1	6	450	0.435	0.391	0.174	
PSB336*006#0600	В	33	6.3	85	4	125	2.1	6	600	0.376	0.339	0.151	,
PST336*006#0800	T	33	6.3	85	4	125	2.1	10	800	0.316	0.285	0.126	
PSA476*006#0800	A	47	6.3	85	4	125	2.8	10	800	0.306	0.276	0.122	
PSB476*006#0250 PSB476*006#0350	B	47 47	6.3	85 85	4	125 125	3	6	250 350	0.583	0.525 0.444	0.233	
PSB476*006#0500	В	47	6.3	85	4	125	3	6	500	0.493	0.444	0.197	
PSC476*006#0300	C	47	6.3	85	4	125	3	6	300	0.606	0.545	0.242	
PST476*006#1200	T	47	6.3	85	4	125	2.8	10	1200	0.258	0.232	0.103	
PSB686*006#0250	В	68	6.3	85	4	125	4	8	250	0.583	0.525	0.233	
PSB686*006#0350	В	68	6.3	85	4	125	4	8	350	0.493	0.444	0.197	
PSB686*006#0500	В	68	6.3	85	4	125	4	8	500	0.412	0.371	0.165	
PSC686*006#0150	С	68	6.3	85	4	125	4.3	6	150	0.856	0.771	0.343	
PSC686*006#0200	C	68	6.3	85	4	125	4.3	6	200	0.742	0.667	0.297	
PSW686*006#0110 PSW686*006#0125	W	68 68	6.3	85 85	4	125 125	4.3	6	110 125	0.905 0.849	0.814 0.764	0.362	
PSW686*006#0125 PSW686*006#0250	W	68	6.3	85	4	125	4.3	6	250	0.849	0.764	0.339	
PSB107*006#0250	B	100	6.3	85	4	125	6.3	10	250	0.583	0.540	0.240	
PSB107*006#0400	В	100	6.3	85	4	125	6.3	10	400	0.461	0.323	0.233	
PSC107*006#0075	C	100	6.3	85	4	125	6.3	6	75	1.211	1.090	0.484	
PSC107*006#0150	С	100	6.3	85	4	125	6.3	6	150	0.856	0.771	0.343	
PSD107*006#0300	D	100	6.3	85	4	125	6.3	6	300	0.707	0.636	0.283	1
PSW107*006#0100	W	100	6.3	85	4	125	6.3	6	100	0.949	0.854	0.379	
PSW107*006#0150	W	100	6.3	85	4	125	6.3	6	150	0.775	0.697	0.310	
PSY107*006#0100	Y	100	6.3	85	4	125	6.3	6	100	1.118	1.006	0.447	1
PSC157*006#0050 PSC157*006#0090	C	150 150	6.3	85 85	4	125 125	9.5 9.5	6	50 90	1.483	1.335 0.995	0.593	
PSC157*006#0090	C	150	6.3	85	4	125	9.5	6	150	0.856	0.993	0.442	
PSC157*006#0130	C	150	6.3	85	4	125	9.5	6	200	0.742	0.667	0.343	
PSC157*006#0250	C	150	6.3	85	4	125	9.5	6	250	0.663	0.597	0.265	
PSD157*006#0050	D	150	6.3	85	4	125	9.5	6	50	1.732	1.559	0.693	1
PSD157*006#0125	D	150	6.3	85	4	125	9.5	6	125	1.095	0.986	0.438	1
PSY157*006#0040	Υ	150	6.3	85	4	125	9.5	6	40	1.768	1.591	0.707	1
PSY157*006#0050	Υ	150	6.3	85	4	125	9.5	6	50	1.581	1.423	0.632	1
PSC227*006#0070	С	220	6.3	85	4	125	13.9	8	70	1.254	1.128	0.501	
PSC227*006#0100	C	220	6.3	85	4	125	13.9	8	100	1.049	0.944	0.420	
PSC227*006#0125 PSC227*006#0250	C	220 220	6.3	85 85	4	125 125	13.9 13.9	8	125 250	0.938	0.844 0.597	0.375 0.265	
PSD227*006#0250	D	220	6.3	85	4	125	13.9	8	50	1.732	1.559	0.693	1
PSD227*006#0100	D	220	6.3	85	4	125	13.9	8	100	1.225	1.102	0.490	1
PSD227*006#0125	D	220	6.3	85	4	125	13.9	8	125	1.095	0.986	0.438	1
PSE227*006#0100	E	220	6.3	85	4	125	13.9	8	100	1.285	1.156	0.514	1
PSF227*006#0200	F	220	6.3	85	4	125	13.2	10	200	0.707	0.636	0.283	
PSY227*006#0100	Y	220	6.3	85	4	125	13.9	8	100	1.118	1.006	0.447	1
PSY227*006#0150	Y	220	6.3	85	4	125	13.9	8	150	0.913	0.822	0.365	1
PSC337*006#0080	С	330	6.3	85	4	125	19.8	12	80	1.173	1.055	0.469	
PSC337*006#0100	С	330	6.3	85	4	125	19.8	12	100	1.049	0.944	0.420	1
PSD337*006#0045	D	330	6.3	85	4	125	20.8	8	45	1.826	1.643	0.730	1
PSD337*006#0050 PSD337*006#0070	D D	330 330	6.3 6.3	85 85	4	125 125	20.8	8	50 70	1.732 1.464	1.559 1.317	0.693 0.586	1
PSD337*006#0070	D	330	6.3	85	4	125	20.8	8	100	1.404	1.102	0.386	1
PSE337*006#0100	E	330	6.3	85	4	125	20.8	8	50	1.817	1.635	0.490	1
PSE337*006#0100	E	330	6.3	85	4	125	20.8	8	100	1.285	1.156	0.727	1
PSE337*006#0125	E	330	6.3	85	4	125	20.8	8	125	1.149	1.034	0.460	1
PSE337*006#0150	Е	330	6.3	85	4	125	20.8	8	150	1.049	0.944	0.420	
PSV337*006#0100	V	330	6.3	85	4	125	20.8	8	100	1.581	1.423	0.632	1
PSY337*006#0075	Y	330	6.3	85	4	125	20.8	12	75	1.291	1.162	0.516	1
PSY337*006#0100	Y	330	6.3	85	4	125	20.8	12	100	1.118	1.006	0.447	1
PSY337*006#0150 PSD477*006#0045	D	330 470	6.3	85 85	4	125 125	20.8	12 12	150 45	0.913 1.826	0.822 1.643	0.365 0.730	1
PSD477*006#0045	D	470	6.3	85	4	125	28	12	60	1.581	1.643	0.730	1
PSD477*006#0000	D	470	6.3	85	4	125	28	12	100	1.225	1.102	0.032	1
PSD477*006#0200	D	470	6.3	85	4	125	28	12	200	0.866	0.779	0.346	1
PSE477*006#0200	E	470	6.3	85	4	125	28	10	45	1.915	1.723	0.766	1
PSE477*006#0050	E	470	6.3	85	4	125	28	10	50	1.817	1.635	0.727	1
PSE477*006#0060	E	470	6.3	85	4	125	28	10	60	1.658	1.492	0.663	1
PSE477*006#0100	Е	470	6.3	85	4	125	28	10	100	1.285	1.156	0.514	1
PSE477*006#0200	E	470	6.3	85	4	125	28	10	200	0.908	0.817	0.363	1
PSV477*006#0040	V	470	6.3	85	4	125	28	10	40	2.500	2.250	1.000	1
PSV477*006#0055	V	470	6.3	85	4	125	28	10	55	2.132	1.919	0.853	1
PSV477*006#0100	V	470	6.3	85	4	125	28	10	100	1.581	1.423	0.632	1
PSY477*006#0150	Y	470	6,3	85	4	125	28.2	20	150	0.913	0.822	0.365	1
PSE687*006#0045 PSE687*006#0060	E	680 680	6.3	85 85	4	125	42.8 42.8	10 10	45 60	1.915	1.723 1.492	0.766 0.663	1
	i E	1 000	6.3	l 62	1 4	125	4Z.0	1 10	00	1.658	1.492	1 0.003	

Low ESR



Part Number	Case	Capacitance	Rated Voltage	Rated Temperature	Category Voltage	Category Temperature	DCL Max.	DF Max.	ESR Max.	100kH	z RMS Cur	rent (A)	MS
Part Number	Size	(μ F)	(V)	(°C)	(V)	(°C)	(μA)	(%)	@ 100kHz (mΩ)	25°C	85°C	125°C	IVIO
TPSV687*006#0035	V	680	6.3	85	4	125	42.8	10	35	2.673	2.405	1.069	1 ¹⁾
TPSV687*006#0040	V	680	6.3	85	4	125	42.8	10	40	2.500	2.250	1.000	11)
TPSV687*006#0050	V	680	6.3	85	4	125	42.8	10	50	2.236	2.012	0.894	11)
PSE108M006#0100	E	1000	6.3	85	4	125	60	20	100	1.285	1.156	0.514	1 ¹⁾
PSV108M006#0040	V	1000	6.3	85	4	125	60	16	40	2.500	2.250	1.000	11)
TPSV108M006#0050	V	1000	6.3	85	4	125	60	16	50	2.236	2.012	0.894	1 ¹⁾
TD0D405#040#0000			- 10	0.5		@ 85°C	0.5			0.070	0.070	0.004	
TPSR105*010#9000	R	1	10	85	7	125	0.5	4	9000	0.078	0.070	0.031	1
TPSA225*010#1800	A	2.2	10	85	7	125	0.5	6	1800	0.204	0.184	0.082	1
TPST335*010#1500 TPSA475*010#1400	T	3.3 4.7	10 10	85 85	7	125 125	0.5 0.5	6	1500 1400	0.231	0.208	0.092	1
	A		10		7	125		6		0.231	0.208	0.093	1
TPSB475*010#1400	В	4.7 4.7	10	85	7		0.5	6	1400 3000	0.246	0.222	0.099	1
TPSR475*010#3000	R	4.7	10	85 85	7	125 125	0.5	6	5000	0.135 0.105	0.122	0.034	1
TPSR475*010#5000 TPSA685*010#1800	A	6.8	10	85	7	125	0.5	6	1800	0.103	0.094	0.042	1
TPSB685*010#1300	B	6.8	10	85	7	125	0.7	6	1300	0.256	0.184	0.002	1
TPST685*010#1800	T	6.8	10	85	7	125	0.7	6	1800	0.230	0.230	0.102	1
TPSA106*010#1800	A	10	10	85	7	125	1	6	900	0.289	0.190	0.004	1
	A	10	10	85	7	125	1	6	1800	0.204	0.280	0.113	1
TPSA106*010#1800		10	10		7		1						1
TPSB106*010#1000	B P	10	10	85	7	125 125	1	8	1000 2000	0.292 0.173	0.262	0.117	1
TPSP106M010#2000				85							0.156		
TPSS106*010#0900	S	10	10 10	85	7	125	1	8	900	0.269	0.242	0.107	1
TPST106*010#1000		10		85	7	125		6	1000	0.283	0.255	0.113	
TPST106*010#2000	T	10	10	85		125	1 1 5	6	2000	0.200	0.180	0.080	1
TPSA156*010#1000	A	15	10	85	7	125	1.5	6	1000	0.274	0.246	0.110	1
TPSB156*010#0450	В	15	10	85	7	125	1.5	6	450	0.435	0.391	0.174	1
TPSB156*010#0600	В	15	10	85	7	125	1.5	6	600	0.376	0.339	0.151	1
TPSC156*010#0700	C	15	10	85	7	125	1.5	6	700	0.396	0.357	0.159	1
TPST156*010#1200	T	15	10	85	7	125	1.5	8	1200	0.258	0.232	0.103	1
FPSA226*010#0900	A	22	10	85	7	125	2.2	8	900	0.289	0.260	0.115	1
TPSB226*010#0400	В	22	10	85	7	125	2.2	6	400	0.461	0.415	0.184	1
TPSB226*010#0500	В	22	10	85	7	125	2.2	6	500	0.412	0.371	0.165	1
TPSB226*010#0700	В	22	10	85	7	125	2.2	6	700	0.348	0.314	0.139	1
FPSC226*010#0300	С	22	10	85	7	125	2.2	6	300	0.606	0.545	0.242	1
TPST226*010#0800	Т	22	10	85	7	125	2.2	8	800	0.316	0.285	0.126	1
ΓPSA336*010#0700	Α	33	10	85	7	125	3.3	8	700	0.327	0.295	0.131	1
TPSB336*010#0250	В	33	10	85	7	125	3.3	6	250	0.583	0.525	0.233	1
TPSB336*010#0425	В	33	10	85	7	125	3.3	6	425	0.447	0.402	0.179	1
TPSB336*010#0500	В	33	10	85	7	125	3.3	6	500	0.412	0.371	0.165	1
TPSB336*010#0650	В	33	10	85	7	125	3.3	6	650	0.362	0.325	0.145	1
TPSC336*010#0150	С	33	10	85	7	125	3.3	6	150	0.856	0.771	0.343	1
TPSC336*010#0375	С	33	10	85	7	125	3.3	6	375	0.542	0.487	0.217	1
TPSC336*010#0500	С	33	10	85	7	125	3.3	6	500	0.469	0.422	0.188	1
FPSW336*010#0350	W	33	10	85	7	125	3.3	6	350	0.507	0.456	0.203	1
TPSB476*010#0250	В	47	10	85	7	125	4.7	8	250	0.583	0.525	0.233	1
TPSB476*010#0350	В	47	10	85	7	125	4.7	8	350	0.493	0.444	0.197	1
TPSB476*010#0500	В	47	10	85	7	125	4.7	8	500	0.412	0.371	0.165	1
TPSB476*010#0650	В	47	10	85	7	125	4.7	8	650	0.362	0.325	0.145	1
PSC476*010#0200	С	47	10	85	7	125	4.7	6	200	0.742	0.667	0.297	1
FPSC476*010#0350	С	47	10	85	7	125	4.7	6	350	0.561	0.505	0.224	1
ΓPSD476*010#0100	D	47	10	85	7	125	4.7	6	100	1.225	1.102	0.490	1
TPSD476*010#0300	D	47	10	85	7	125	4.7	6	300	0.707	0.636	0.283	1
ΓPSW476*010#0125	W	47	10	85	7	125	4.7	6	125	0.849	0.764	0.339	1
TPSW476*010#0150	W	47	10	85	7	125	4.7	6	150	0.775	0.697	0.310	1
PSW476*010#0250	W	47	10	85	7	125	4.7	6	250	0.600	0.540	0.240	1
TPSB686*010#0600	В	68	10	85	7	125	6.8	8	600	0.376	0.339	0.151	1
TPSC686*010#0080	С	68	10	85	7	125	6.8	6	80	1.173	1.055	0.469	1
TPSC686*010#0100	С	68	10	85	7	125	6.8	6	100	1.049	0.944	0.420	1
PSC686*010#0200	С	68	10	85	7	125	6.8	6	200	0.742	0.667	0.297	1
TPSC686*010#0300	С	68	10	85	7	125	6.8	6	300	0.606	0.545	0.242	1
FPSD686*010#0100	D	68	10	85	7	125	6.8	6	100	1.225	1.102	0.490	1
TPSD686*010#0150	D	68	10	85	7	125	6.8	6	150	1.000	0.900	0.400	1
TPSY686*010#0100	Υ	68	10	85	7	125	6.8	6	100	1.118	1.006	0.447	1
FPSY686*010#0200	Υ	68	10	85	7	125	6.8	6	200	0.791	0.712	0.316	1
PSW686*010#0100	W	68	10	85	7	125	6.8	6	100	0.949	0.854	0.379	1
TPSW686*010#0150	W	68	10	85	7	125	6.8	6	150	0.775	0.697	0.310	1
TPSB107*010#0400	В	100	10	85	7	125	10	8	400	0.461	0.415	0.184	1
TPSC107*010#0075	С	100	10	85	7	125	10	8	75	1.211	1.090	0.484	1
TPSC107*010#0100	С	100	10	85	7	125	10	8	100	1.049	0.944	0.420	1
TPSC107*010#0150	С	100	10	85	7	125	10	8	150	0.856	0.771	0.343	1
TPSC107*010#0200	С	100	10	85	7	125	10	8	200	0.742	0.667	0.297	1
TPSD107*010#0050	D	100	10	85	7	125	10	6	50	1.732	1.559	0.693	1
TPSD107*010#0065	D	100	10	85	7	125	10	6	65	1.519	1.367	0.608	1
TPSD107*010#0080	D	100	10	85	7	125	10	6	80	1.369	1.232	0.548	1
TPSD107*010#0100	D	100	10	85	7	125	10	6	100	1.225	1.102	0.490	1
TPSD107*010#0125	D	100	10	85	7	125	10	6	125	1.095	0.986	0.438	1
TPSD107*010#0150	D	100	10	85	7	125	10	6	150	1.000	0.900	0.400	1
TPSE107*010#0125	E	100	10	85	7	125	10	6	125	1.149	1.034	0.460	1
TPSW107*010#0125	W	100	10	85	7	125	10	6	150	0.775	0.697	0.460	1
					7		10					0.310	1
TPSX107*010#0085	X	100 100	10	85	7	125		8	85	1.085	0.976		1
TPSX107*010#0150 TPSX107*010#0200	X		10	85	7	125	10	8	150	0.816	0.735	0.327	1
	1 X	100	10	85	/	125	10	8	200	0.707	0.636	0.283	. 1

Low ESR



Part Number	Case	Capacitance	Rated Voltage	Rated Temperature	Category Voltage	Category Temperature	DCL Max.	DF Max.	ESR Max.	100kH	z RMS Cur	rent (A)	MS
raitivambei	Size	(μF)	(V)	(°C)	(V)	(°C)	(μA)	(%)	@ 100kHz (mΩ)	25°C	85°C	125°C	IVIC
TPSY107*010#0150	Y	100	10	85	7	125	10	6	150	0.913	0.822	0.365	1 ¹
ΓPSY107*010#0200	Υ	100	10	85	7	125	10	6	200	0.791	0.712	0.316	11
TPSC157*010#0150	С	150	10	85	7	125	15	8	150	0.856	0.771	0.343	1
ΓPSD157*010#0050	D	150	10	85	7	125	15	8	50	1.732	1.559	0.693	1
TPSD157*010#0085	D	150	10	85	7	125	15	8	85	1.328	1.196	0.531	1
TPSD157*010#0100	D	150	10	85	7	125	15	8	100	1.225	1.102	0.490	1
TPSE157*010#0100	Е	150	10	85	7	125	15	8	100	1.285	1.156	0.514	1
TPSF157*010#0200	F	150	10	85	7	125	15	10	200	0.707	0.636	0.283	
PSX157M010#0100	X	150	10	85	7	125	15	6	100	1.000	0.900	0.400	1
TPSY157*010#0100	Υ	150	10	85	7	125	15	6	100	1.118	1.006	0.447	1
TPSY157*010#0150	Y	150	10	85	7	125	15	6	150	0.913	0.822	0.365	1
TPSY157*010#0200	Y	150	10	85	7	125	15	6	200	0.791	0.712	0.316	1
TPSD227*010#0040	D	220	10	85	7	125	22	8	40	1.936	1.743	0.775	1
TPSD227*010#0050	D	220	10	85	7	125	22	8	50	1.732	1.559	0.693	1
TPSD227*010#0100	D	220	10	85	7	125	22	8	100	1.225	1.102	0.490	1
TPSD227*010#0150	D	220	10	85	7	125	22	8	150	1.000	0.900	0.400	1
TPSE227*010#0050	E	220	10	85	7	125	22	8	50	1.817	1.635	0.727	1
TPSE227*010#0060	E	220	10	85	7	125	22	8	60	1.658	1.492	0.663	1
TPSE227*010#0000	E	220	10	85	7	125	22	8	70	1.535	1.382	0.614	1
TPSE227*010#0070	E	220	10	85	7	125	22	8	100	1.285	1.156	0.514	1
													1
TPSE227*010#0125	E	220 220	10	85	7	125	22	8	125	1.149	1.034	0.460	1
TPSE227*010#0150	E		10	85		125	22	8	150	1.049	0.944	0.420	
TPSY227*010#0100	Y	220	10	85	7	125	22	10	100	1.118	1.006	0.447	1
TPSY227*010#0150	Y	220	10	85	7	125	22	10	150	0.913	0.822	0.365	1
TPSY227*010#0200	Y	220	10	85	7	125	22	10	200	0.791	0.712	0.316	1
TPSD337*010#0050	D	330	10	85	7	125	33	8	50	1.732	1.559	0.693	1
TPSD337*010#0065	D	330	10	85	7	125	33	8	65	1.519	1.367	0.608	1
TPSD337*010#0100	D	330	10	85	7	125	33	8	100	1.225	1.102	0.490	1
TPSD337*010#0150	D	330	10	85	7	125	33	8	150	1.000	0.900	0.400	1
TPSE337*010#0040	E	330	10	85	7	125	33	8	40	2.031	1.828	0.812	1
TPSE337*010#0050	E	330	10	85	7	125	33	8	50	1.817	1.635	0.727	1
TPSE337*010#0060	Е	330	10	85	7	125	33	8	60	1.658	1.492	0.663	1
TPSE337*010#0100	Е	330	10	85	7	125	33	8	100	1.285	1.156	0.514	1
TPSV337*010#0040	V	330	10	85	7	125	33	10	40	2.500	2.250	1.000	1
TPSV337*010#0060	V	330	10	85	7	125	33	10	60	2.041	1.837	0.816	1
TPSV337*010#0100	V	330	10	85	7	125	33	10	100	1.581	1.423	0.632	1
TPSE477*010#0045	E	470	10	85	7	125	47	10	45	1.915	1.723	0.766	1
TPSE477*010#0050	Ē	470	10	85	7	125	47	10	50	1.817	1.635	0.727	1
TPSE477*010#0060	Ē	470	10	85	7	125	47	10	60	1.658	1.492	0.663	1
TPSE477*010#0100	Ē	470	10	85	7	125	47	10	100	1.285	1.156	0.514	1
TPSE477*010#0100	E	470	10	85	7	125	47	10	200	0.908	0.817	0.363	1
TPSV477*010#0040	V	470	10	85	7	125	47	10	40	2.500	2.250	1.000	1
TPSV477*010#0060	V	470	10	85	7	125	47	10	60	2.041	1.837	0.816	1
TPSV477*010#0100	V	470	10	85	7	125	47	10	100	1.581	1.423	0.632	1
PSE687M010#0150V	E	680	10	85	7	125	68	18	150	1.049	0.944	0.420	-
PSV687M010#0100V	V	680	10	85	7	125	68	18	100	1.581	1.423	0.632	
0.007111010101000		000				@ 85°C	00	10	100	1.001	1.420	0.002	<u> </u>
TPSA105*016#6200	A	1	16	85	10	125	0.5	4	6200	0.110	0.099	0.044	Ι.
TPSA225*016#1800	A	2.2	16	85	10	125	0.5	6	1800	0.204	0.184	0.044	٠.
TPSA225*016#3500	A	2.2	16	85	10	125	0.5	6	3500	0.146	0.132	0.059	
TPST225*016#2000	T	2.2	16	85	10	125	0.5	6	2000	0.200	0.132	0.080	
TPSA335*016#3500	A	3.3	16	85	10	125	0.5	6	3500	0.146	0.132	0.059	
TPSB335*016#2500	В	3.3	16	85	10	125	0.5	6	2500	0.140	0.132	0.039	
TPSA475*016#2000	A	4.7	16	85	10	125	0.8	6	2000	0.184	0.100	0.074	
TPSB475*016#2000 TPSB475*016#0800	B	4.7	16	85	10	125	0.8		800	0.194	0.174	0.077	
	В	4.7	16	85	10	125	0.8	6	1500		0.293	0.130	L .
TPSB475*016#1500				1	10					0.238		0.095	
TPSA685*016#1500 TPSB685*016#0600	A B	6.8	16 16	85 85	10	125 125	1.1	6	1500	0.224 0.376	0.201	0.089	
TPSB685*016#1200	В	6.8	16	85	10	125	1.1	6	1200	0.266	0.240	0.106	
TPSA106*016#1000	A	10	16	85	10	125	1.6	6	1000	0.274	0.246	0.110	
TPSB106*016#0500	В	10	16	85	10	125	1.6	6	500	0.412	0.371	0.165	
TPSB106*016#0800	В	10	16	85	10	125	1.6	6	800	0.326	0.293	0.130	
TPSC106*016#0500	C	10	16	85	10	125	1.6	6	500	0.469	0.422	0.188	
TPST106*016#0800	T	10	16	85	10	125	1.6	8	800	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	
PSW106*016#0500	W	10	16	85	10	125	1.6	6	500	0.424	0.382	0.170	
PSW106*016#0600	W	10	16	85	10	125	1.6	6	600	0.387	0.349	0.155	
TPSB156*016#0500	В	15	16	85	10	125	2.4	6	500	0.412	0.371	0.165	
TPSB156*016#0800	В	15	16	85	10	125	2.4	6	800	0.326	0.293	0.130	<u> </u>
TPSC156*016#0300	С	15	16	85	10	125	2.4	6	300	0.606	0.545	0.242	
TPSC156*016#0700	С	15	16	85	10	125	2.4	6	700	0.396	0.357	0.159	
TPSB226*016#0400	В	22	16	85	10	125	3.5	6	400	0.461	0.415	0.184	
TPSB226*016#0600	В	22	16	85	10	125	3.5	6	600	0.376	0.339	0.151	
ΓPSC226*016#0150	С	22	16	85	10	125	3.5	6	150	0.856	0.771	0.343	
TPSC226*016#0250	Č	22	16	85	10	125	3.5	6	250	0.663	0.597	0.265	
TPSC226*016#0300	C	22	16	85	10	125	3.5	6	300	0.606	0.545	0.242	
TPSC226*016#0375	C	22	16	85	10	125	3.5	6	375	0.542	0.487	0.217	
TPSD226*016#0700	D	22	16	85	10	125	3.5	6	700	0.463	0.417	0.185	1
TPSW226*016#0500	W	22	16	85	10	125	3.5	6	500	0.424	0.382	0.170	
TPSB336*016#0350	B	33	16	85	10	125	5.3	8	350	0.424	0.362	0.170	
		33	16	85	10	125	5.3	8	500	0.493	0.371	0.197	<u> </u>
	1 12												
TPSB336*016#0500 TPSC336*016#0100	B	33	16	85	10	125	5.3	6	100	1.049	0.944	0.420	

Low ESR



RATINGS & PART NUMBER REFERENCE

Part Number	Case	Capacitance	Rated Voltage	Rated Temperature	Category Voltage	Category Temperature	DCL Max.	DF Max.	ESR Max.	100kH	z RMS Cur	rent (A)	MSL
r ai t Nullibei	Size	(μF)	(V)	(°C)	(V)	(°C)	(μA)	(%)	@ 100kHz (mΩ)	25°C	85°C	125°C	IVISE
TPSC336*016#0225	С	33	16	85	10	125	5.3	6	225	0.699	0.629	0.280	1
TPSC336*016#0300	С	33	16	85	10	125	5.3	6	300	0.606	0.545	0.242	1 1 ¹⁾
TPSD336*016#0200 TPSW336*016#0140	D W	33 33	16 16	85 85	10 10	125 125	5.3 5.3	6	200 140	0.866 0.802	0.779 0.722	0.346	1 1
TPSW336*016#0175	W	33	16	85	10	125	5.3	6	175	0.717	0.645	0.287	1
TPSW336*016#0250	W	33	16	85	10	125	5.3	6	250	0.600	0.540	0.240	1
TPSW336*016#0400 TPSW336*016#0500	W	33 33	16 16	85 85	10 10	125 125	5.3	6	400 500	0.474 0.424	0.427 0.382	0.190 0.170	1
TPSY336*016#0300	Y	33	16	85	10	125	5.3 5.3	6	300	0.424	0.582	0.170	11)
TPSY336*016#0400	Υ	33	16	85	10	125	5.3	6	400	0.559	0.503	0.224	1 ¹⁾
TPSC476*016#0110	С	47	16	85	10	125	7.5	6	110	1.000	0.900	0.400	1
TPSC476*016#0350 TPSD476*016#0080	C D	47 47	16 16	85 85	10 10	125 125	7.5 7.5	6	350 80	0.561 1.369	0.505 1.232	0.224	1 1 ¹⁾
TPSD476*016#0100	D	47	16	85	10	125	7.5	6	100	1.225	1.102	0.490	1 ¹⁾
TPSD476*016#0150	D	47	16	85	10	125	7.5	6	150	1.000	0.900	0.400	1 ¹⁾
TPSD476*016#0200	D	47	16	85	10	125	7.5	6	200	0.866	0.779	0.346	11)
TPSW476*016#0200 TPSX476*016#0180	X	47 47	16 16	85 85	10 10	125 125	7.5 7.5	6	200 180	0.671 0.745	0.604 0.671	0.268	1 1 ¹⁾
TPSY476*016#0250	Ŷ	47	16	85	10	125	7.5	6	250	0.743	0.636	0.283	11)
TPSC686*016#0125	С	68	16	85	10	125	10.9	6	125	0.938	0.844	0.375	1
TPSC686*016#0200	С	68	16	85	10	125	10.9	6	200	0.742	0.667	0.297	1 11)
TPSD686*016#0070 TPSD686*016#0100	D D	68 68	16 16	85 85	10 10	125 125	10.9 10.9	6	70 100	1.464 1.225	1.317 1.102	0.586	1 ¹⁾
TPSD686*016#0100	D	68	16	85	10	125	10.9	6	150	1.000	0.900	0.490	11)
TPSF686*016#0200	F	68	16	85	10	125	10.9	10	200	0.707	0.636	0.283	1
TPSX686*016#0150	Х	68	16	85	10	125	10.9	8	150	0.816	0.735	0.327	1 ¹⁾
TPSY686*016#0150	Y	68 68	16 16	85 85	10 10	125 125	10.9 10.9	6	150 200	0.913 0.791	0.822 0.712	0.365	1 ¹⁾
TPSY686*016#0200 TPSY686*016#0250	Y	68	16	85	10	125	10.9	6	250	0.791	0.712	0.316	11)
TPSC107*016#0200	C	100	16	85	10	125	16	8	200	0.742	0.667	0.297	1
TPSD107*016#0060	D	100	16	85	10	125	16	6	60	1.581	1.423	0.632	1 ¹⁾
TPSD107*016#0100	D	100	16	85	10	125	16	6	100	1.225	1.102	0.490	11)
TPSD107*016#0125 TPSD107*016#0150	D D	100 100	16 16	85 85	10 10	125 125	16 16	6	125 150	1.095	0.986 0.900	0.438	1 ¹⁾
TPSE107*016#0055	E	100	16	85	10	125	16	6	55	1.732	1.559	0.693	1 ¹⁾
TPSE107*016#0100	E	100	16	85	10	125	16	6	100	1.285	1.156	0.514	1 ¹⁾
TPSE107*016#0125	E	100	16	85	10	125	16	6	125	1.149	1.034	0.460	11)
TPSE107*016#0150 TPSF107M016#0150	E F	100 100	16 16	85 85	10 10	125 125	16 16	6 10	150 150	1.049 0.816	0.944 0.735	0.420	1 ¹⁾
TPSF107M016#0200	F	100	16	85	10	125	16	10	200	0.707	0.636	0.327	1
TPSY107*016#0100	Υ	100	16	85	10	125	16	8	100	1.118	1.006	0.447	1 ¹⁾
TPSY107*016#0150	Y	100	16	85	10	125	16	8	150	0.913	0.822	0.365	11)
TPSY107*016#0200 TPSD157*016#0060	Y D	100 150	16 16	85 85	10 10	125 125	16 24	8	200 60	0.791 1.581	0.712 1.423	0.316	1 ¹⁾
TPSD157*016#0085	D	150	16	85	10	125	24	6	85	1.328	1.196	0.531	11)
TPSD157*016#0100	D	150	16	85	10	125	24	6	100	1.225	1.102	0.490	1 ¹⁾
TPSD157*016#0125	D	150	16	85	10	125	24	6	125	1.095	0.986	0.438	11)
TPSD157*016#0150 TPSE157*016#0050V	D E	150 150	16 16	85 85	10 10	125 125	24	6 8	150 50	1.000 1.817	0.900 1.635	0.400	1 ¹⁾
TPSE157*016#0030V	E	150	16	85	10	125	24	8	100	1.285	1.035	0.727	11)
TPSV157*016#0045	V	150	16	85	10	125	24	8	45	2.357	2.121	0.943	1 ¹⁾
TPSV157*016#0075	V	150	16	85	10	125	24	8	75	1.826	1.643	0.730	1 ¹⁾
TPSY157M016#0200 TPSD227M016#0200V	Y D	150 220	16 16	85 85	10 10	125 125	24 35.2	15 10	200	0.791 0.866	0.712 0.779	0.316	1 ¹⁾
TPSE227*016#0050V	E	220	16	85	10	125	35.2	10	50	1.817	1.635	0.727	3
TPSE227*016#0100	E	220	16	85	10	125	35.2	10	100	1.285	1.156	0.514	1 ¹⁾
TPSE227*016#0150	E	220 220	16	85	10	125	35.2	10	150	1.049	0.944	0.420	1 ¹⁾
TPSV227*016#0050 TPSV227*016#0075	V	220	16 16	85 85	10 10	125 125	35.2 35.2	8	50 75	2.236 1.826	2.012 1.643	0.894	11)
TPSV227*016#0100	V	220	16	85	10	125	35.2	8	100	1.581	1.423	0.632	1 ¹⁾
TPSV227*016#0150	V	220	16	85	10	125	35.2	8	150	1.291	1.162	0.516	11)
TPSE337M016#0200	E	330	16	85	10	125	52.8	30	200	0.908	0.817	0.363	11)
TPSA105*020#3000	A	1	20	85	20 Volt 13	# 85°C	0.5	4	3000	0.158	0.142	0.063	1
TPSR105*020#6000	R	1	20	85	13	125	0.5	4	6000	0.096	0.086	0.038	1
TPSS105*020#6000	S	1	20	85	13	125	0.5	4	6000	0.104	0.094	0.042	1
TPST105*020#2000 TPSA155*020#3000	T A	1.5	20	85 85	13 13	125	0.5 0.5	6	2000 3000	0.200 0.158	0.180 0.142	0.080	1
TPSA155*020#3000 TPSA225*020#3000	A	2.2	20	85	13	125 125	0.5	6	3000	0.158	0.142	0.063	1
TPSB225*020#1700	В	2.2	20	85	13	125	0.5	6	1700	0.224	0.201	0.089	1
TPSA335*020#2500	A	3.3	20	85	13	125	0.7	6	2500	0.173	0.156	0.069	1
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	0.256 0.204	0.230 0.184	0.102	1
TPSA475*020#1800 TPSB475*020#0750	B	4.7	20	85	13	125	0.9	6	750	0.204	0.184	0.082	1
TPSB475*020#1000	В	4.7	20	85	13	125	0.9	6	1000	0.292	0.262	0.117	1
TPSA685*020#1000	Α	6.8	20	85	13	125	1.4	6	1000	0.274	0.246	0.110	1
TPSB685*020#0600	В	6.8	20	85	13	125	1.4	6	600	0.376	0.339	0.151	1
TPSB685*020#1000 TPSC685*020#0700	B C	6.8	20 20	85 85	13 13	125 125	1.4	6	1000 700	0.292	0.262 0.357	0.117	1
TPSB106*020#0500	В	10	20	85	13	125	2	6	500	0.412	0.371	0.165	1
TPSB106*020#1000	В	10	20	85	13	125	2	6	1000	0.292	0.262	0.117	1

Low ESR



Part Number	Case	Capacitance	Rated Voltage	Rated Temperature	Category Voltage	Category Temperature	DCL Max.	DF Max.	ESR Max.	100kH	z RMS Cur	rent (A)	MS
raitivumbei	Size	(μF)	(V)	(°C)	(V)	(°C)	(μA)	(%)	@ 100kHz (mΩ)	25°C	85°C	125°C	IVIC
TPSC106*020#0500	С	10	20	85	13	125	2	6	500	0.469	0.422	0.188	1
TPSC106*020#0700	C	10	20	85	13	125	2	6	700	0.396	0.357	0.159	1
TPSW106*020#0250 TPSW106*020#0500	W	10 10	20	85 85	13 13	125 125	2	6	250 500	0.600 0.424	0.540 0.382	0.240 0.170	1
TPSB156*020#0500	B	15	20	85	13	125	3	6	500	0.424	0.371	0.170	1
TPSC156*020#0400	C	15	20	85	13	125	3	6	400	0.524	0.472	0.210	1
TPSC156*020#0450	С	15	20	85	13	125	3	6	450	0.494	0.445	0.198	1
TPSB226*020#0400	В	22	20	85	13	125	4.4	6	400	0.461	0.415	0.184	1
TPSB226*020#0600	В	22	20	85	13	125	4.4	6	600	0.376	0.339	0.151	1
TPSC226*020#0100 TPSC226*020#0150	C	22 22	20 20	85 85	13 13	125 125	4.4 4.4	6	100 150	1.049 0.856	0.944 0.771	0.420 0.343	-
TPSC226*020#0400	C	22	20	85	13	125	4.4	6	400	0.836	0.771	0.343	-
TPSD226*020#0200	D	22	20	85	13	125	4.4	6	200	0.866	0.472	0.210	1
TPSD226*020#0300	D	22	20	85	13	125	4.4	6	300	0.707	0.636	0.283	1
TPSC336*020#0300	С	33	20	85	13	125	6.6	6	300	0.606	0.545	0.242	1
TPSD336*020#0100	D	33	20	85	13	125	6.6	6	100	1.225	1.102	0.490	1
TPSD336*020#0200	D	33	20	85	13	125	6.6	6	200	0.866	0.779	0.346	1
TPSD476*020#0075	D	47	20	85	13	125	9.4	6	75	1.414	1.273	0.566	1
TPSD476*020#0100	D	47	20	85	13	125	9.4	6	100	1.225	1.102	0.490	1
TPSD476*020#0200	D	47	20	85	13	125	9.4	6	200	0.866	0.779	0.346	1
TPSE476*020#0070 TPSE476*020#0125	E	47 47	20 20	85 85	13 13	125 125	9.4 9.4	6	70 125	1.535 1.149	1.382 1.034	0.614 0.460	1
TPSE476*020#0125	E	47	20	85	13	125	9.4	6	150	1.149	0.944	0.420	1
TPSE476*020#0200	E	47	20	85	13	125	9.4	6	200	0.908	0.944	0.363	1
TPSE476*020#0250	E	47	20	85	13	125	9.4	6	250	0.812	0.731	0.325	1
TPSX476*020#0200	Х	47	20	85	13	125	9.4	6	200	0.707	0.636	0.283	1
TPSD686*020#0070	D	68	20	85	13	125	13.6	6	70	1.464	1.317	0.586	1
TPSD686*020#0150	D	68	20	85	13	125	13.6	6	150	1.000	0.900	0.400	1
TPSD686*020#0200	D	68	20	85	13	125	13.6	6	200	0.866	0.779	0.346	1
TPSD686*020#0300	D	68	20	85	13	125	13.6	6	300	0.707	0.636	0.283	1
TPSE686*020#0125 TPSE686*020#0150	E	68 68	20 20	85 85	13 13	125 125	13.6 13.6	6	125 150	1.149 1.049	1.034 0.944	0.460 0.420	1
TPSE686*020#0200	E	68	20	85	13	125	13.6	6	200	0.908	0.944	0.420	1
TPSY686*020#0200	Y	68	20	85	13	125	13.6	6	200	0.791	0.712	0.316	1
TPSD107*020#0085	D	100	20	85	13	125	20	6	85	1.328	1.196	0.531	1
TPSD107*020#0100	D	100	20	85	13	125	20	6	100	1.225	1.102	0.490	1
TPSD107*020#0150	D	100	20	85	13	125	20	6	150	1.000	0.900	0.400	1
TPSE107*020#0100	E	100	20	85	13	125	20	6	100	1.285	1.156	0.514	1
TPSE107*020#0150	E	100	20	85	13	125	20	6	150	1.049	0.944	0.420	1
TPSE107*020#0200	E	100	20	85	13	125	20	6	200	0.908	0.817	0.363	1
TPSV107*020#0060 TPSV107*020#0085	V	100 100	20 20	85 85	13 13	125 125	20	8	60 85	2.041 1.715	1.837 1.543	0.816 0.686	1
TPSV107*020#0005	V	100	20	85	13	125	20	8	100	1.581	1.423	0.632	1
TPSV107*020#0200	V	100	20	85	13	125	20	8	200	1.118	1.006	0.447	1
TPSV157*020#0080	V	150	20	85	13	125	30	8	80	1.768	1.591	0.707	1
					25 Volt	@ 85°C							
TPSA474*025#7000	Α	0.47	25	85	17	125	0.5	4	7000	0.104	0.093	0.041	1
TPSA684*025#6000	A	0.68	25	85	17	125	0.5	4	6000	0.112	0.101	0.045	1
TPSA105*025#4000 TPSR105*025#2500	A R	1	25 25	85 85	17 17	125 125	0.5 0.5	4	4000 2500	0.137 0.148	0.123 0.133	0.055 0.059	1
TPSR105*025#2500 TPSR105*025#4000	R	1	25	85	17	125	0.5	4	4000	0.148	0.133	0.059	-
TPSA155*025#3000	A	1.5	25	85	17	125	0.5	6	3000	0.117	0.142	0.063	1
TPSB155*025#1800	В	1.5	25	85	17	125	0.5	6	1800	0.217	0.196	0.087	-
TPSA225*025#2500	Α	2.2	25	85	17	125	0.6	6	2500	0.173	0.156	0.069	1
TPSB225*025#0900	В	2.2	25	85	17	125	0.6	6	900	0.307	0.277	0.123	1
TPSB225*025#1200	В	2.2	25	85	17	125	0.6	6	1200	0.266	0.240	0.106	1
TPSB225*025#2500 TPSA335*025#1000	В	2.2	25	85	17	125	0.6	6	2500	0.184	0.166	0.074	
TPSA335*025#1000 TPSA335*025#1500	A	3.3 3.3	25 25	85 85	17 17	125 125	0.8	6	1000 1500	0.274 0.224	0.246 0.201	0.110	1
TPSB335*025#0750	B	3.3	25	85	17	125	0.8	6	750	0.224	0.303	0.089	-
TPSB335*025#1500	В	3.3	25	85	17	125	0.8	6	1500	0.238	0.214	0.095	
TPSB335*025#2000	В	3.3	25	85	17	125	0.8	6	2000	0.206	0.186	0.082	-
TPSB475*025#0700	В	4.7	25	85	17	125	1.2	6	700	0.348	0.314	0.139	
TPSB475*025#0900	В	4.7	25	85	17	125	1.2	6	900	0.307	0.277	0.123	
TPSB475*025#1500	В	4.7	25	85	17	125	1.2	6	1500	0.238	0.214	0.095	-
TPSC475*025#0700 TPSB685*025#0700	C B	4.7 6.8	25 25	85 85	17 17	125 125	1.2 1.7	6	700 700	0.396 0.348	0.357 0.314	0.159 0.139	-
TPSC685*025#0500	C	6.8	25	85	17	125	1.7	6	500	0.469	0.422	0.139	-
TPSC685*025#0600	C	6.8	25	85	17	125	1.7	6	600	0.428	0.385	0.171	1
TPSC685*025#0700	C	6.8	25	85	17	125	1.7	6	700	0.396	0.357	0.159	1
TPSB106*025#1800	В	10	25	85	17	125	2.5	6	1800	0.217	0.196	0.087	1
TPSC106*025#0300	С	10	25	85	17	125	2.5	6	300	0.606	0.545	0.242	1
TPSC106*025#0500	С	10	25	85	17	125	2.5	6	500	0.469	0.422	0.188	1
TPSD106*025#0500	D	10	25	85	17	125	2.5	6	500	0.548	0.493	0.219	1
TPSC156*025#0220	C	15	25	85	17 17	125	3.8	6	220	0.707	0.636	0.283	1
TPSC156*025#0300 TPSD156*025#0100	C D	15 15	25 25	85 85	17	125 125	3.8	6	300 100	0.606 1.225	0.545 1.102	0.242	1
TPSD156*025#0300	D	15	25	85	17	125	3.8	6	300	0.707	0.636	0.490	1
TPSC226*025#0275	C	22	25	85	17	125	5.5	6	275	0.632	0.569	0.253	-
TPSC226*025#0400	C	22	25	85	17	125	5.5	6	400	0.524	0.472	0.210	1
1F30220 023#0400													

Low ESR



RATINGS & PART NUMBER REFERENCE

Part Number	Case	Capacitance	Rated Voltage	Rated Temperature	Category Voltage	Category Temperature	DCL Max.	DF Max.	ESR Max.	100kH	z RMS Cur	rent (A)	MS
raitivuilibei	Size	(μ F)	(V)	(°C)	(V)	(°C)	(μA)	(%)	@ 100kHz (mΩ)	25°C	85°C	125°C	IVIS
TPSD226*025#0200	D	22	25	85	17	125	5.5	6	200	0.866	0.779	0.346	1 ¹
PSD226*025#0300	D	22	25	85	17	125	5.5	6	300	0.707	0.636	0.283	11
PSF226*025#0300 PSC336*025#0400	F C	22 33	25 25	85 85	17 17	125 125	5.5 8.3	6	300 400	0.577 0.524	0.520 0.472	0.231	1
PSD336*025#0400	D	33	25	85	17	125	8.3	6	100	1.225	1.102	0.490	11
PSD336*025#0200	D	33	25	85	17	125	8.3	6	200	0.866	0.779	0.346	11
PSD336*025#0300	D	33	25	85	17	125	8.3	6	300	0.707	0.636	0.283	11
TPSE336*025#0100	E	33	25	85	17	125	8.3	6	100	1.285	1.156	0.514	11
TPSE336*025#0175	Е	33	25	85	17	125	8.3	6	175	0.971	0.874	0.388	11
TPSE336*025#0200	E	33	25	85	17	125	8.3	6	200	0.908	0.817	0.363	11
TPSE336*025#0300	E	33	25	85	17	125	8.3	6	300	0.742	0.667	0.297	11
TPSF336*025#0150	F	33	25	85	17	125	8.3	6	150	0.816	0.735	0.327	11
TPSF336*025#0200	F	33 33	25 25	85	17 17	125 125	8.3	6	200 400	0.707 0.500	0.636 0.450	0.283	1
TPSF336*025#0400 TPSY336*025#0200	Y	33	25	85 85	17	125	8.3 8.3	6	200	0.500	0.450	0.200	11
TPSD476*025#0125	D	47	25	85	17	125	11.8	6	125	1.095	0.712	0.438	11
TPSD476*025#0150	D	47	25	85	17	125	11.8	6	150	1.000	0.900	0.400	11
TPSD476*025#0250	D	47	25	85	17	125	11.8	6	250	0.775	0.697	0.310	11
TPSE476*025#0080	E	47	25	85	17	125	11.8	6	80	1.436	1.293	0.574	11
TPSE476*025#0100	Е	47	25	85	17	125	11.8	6	100	1.285	1.156	0.514	1 ¹
TPSE476*025#0125	Е	47	25	85	17	125	11.8	6	125	1.149	1.034	0.460	1 ¹
TPSY476*025#0250	Υ	47	25	85	17	125	11.8	6	250	0.707	0.636	0.283	1 ¹
TPSD686*025#0150	D	68	25	85	17	125	17	6	150	1.000	0.900	0.400	1
TPSD686*025#0200	D	68	25	85	17	125	17	6	200	0.866	0.779	0.346	1
TPSD686*025#0300	D	68	25	85	17	125	17	6	300	0.707	0.636	0.283	1
TPSE686*025#0125	E	68	25	85	17	125	17	6	125	1.149	1.034	0.460	1
TPSE686*025#0200	E	68	25	85	17	125	17	6	200	0.908	0.817	0.363	11
TPSV686*025#0080	V	68	25	85	17 17	125	17	6	80	1.768	1.591	0.707	1
TPSV686*025#0095 TPSV686*025#0150	V	68 68	25 25	85 85	17	125 125	17 17	6	95 150	1.622 1.291	1.460 1.162	0.649	1
TPSV686*025#0100	V	68	25	85	17	125	17	6	200	1.118	1.102	0.516	11
TPSE107*025#0150	E	100	25	85	17	125	25	10	150	1.049	0.944	0.447	11
TPSV107*025#0100	V	100	25	85	17	125	25	8	100	1.581	1.423	0.632	1
PSV157M025#0150	V	150	25	85	17	125	37.5	10	150	1.291	1.162	0.516	11
					35 Volt	@ 85°C			<u> </u>			<u>'</u>	
ΓPSA224*035#6000	Α	0.22	35	85	23	125	0.5	4	6000	0.112	0.101	0.045	1
TPSA334*035#6000	Α	0.33	35	85	23	125	0.5	4	6000	0.112	0.101	0.045	1
TPSA474*035#6000	Α	0.47	35	85	23	125	0.5	4	6000	0.112	0.101	0.045	1
TPSB474*035#4000	В	0.47	35	85	23	125	0.5	4	4000	0.146	0.131	0.058	1
FPSA684*035#6000	A	0.68	35	85	23	125	0.5	4	6000	0.112	0.101	0.045	1
TPSA105*035#3000 TPSB105*035#2000	A B	1	35 35	85 85	23 23	125 125	0.5	4	3000 2000	0.158	0.142 0.186	0.063	1
TPSA155*035#3000	A	1.5	35	85	23	125	0.5	6	3000	0.158	0.142	0.062	1
TPSB155*035#2500	В	1.5	35	85	23	125	0.5	6	2500	0.184	0.166	0.003	1
TPSA225*035#1500	A	2.2	35	85	23	125	0.8	6	1500	0.224	0.201	0.089	1
TPSB225*035#0750	В	2.2	35	85	23	125	0.8	6	750	0.337	0.303	0.135	1
TPSB225*035#1500	В	2.2	35	85	23	125	0.8	6	1500	0.238	0.214	0.095	1
TPSB225*035#2000	В	2.2	35	85	23	125	0.8	6	2000	0.206	0.186	0.082	1
TPSC225*035#1000	С	2.2	35	85	23	125	0.8	6	1000	0.332	0.298	0.133	1
TPSB335*035#1000	В	3.3	35	85	23	125	1.2	6	1000	0.292	0.262	0.117	1
TPSC335*035#0700	С	3.3	35	85	23	125	1.2	6	700	0.396	0.357	0.159	1
TPSB475*035#0700	В	4.7	35	85	23	125	1.6	6	700	0.348	0.314	0.139	1
TPSB475*035#1500 TPSC475*035#0600	В	4.7	35	85	23	125	1.6	6	1500	0.238	0.214	0.095	-
TPSC475*035#0600 TPSD475*035#0700	D	4.7 4.7	35 35	85 85	23 23	125 125	1.6 1.6	6	700	0.428	0.385 0.417	0.171	1
TPSC685*035#0700	C	6.8	35	85	23	125	2.4	6	350	0.463	0.417	0.185	
TPSD685*035#0350	D	6.8	35	85	23	125	2.4	6	150	1.000	0.900	0.400	1
TPSD685*035#0400	D	6.8	35	85	23	125	2.4	6	400	0.612	0.551	0.245	1
TPSD685*035#0500	D	6.8	35	85	23	125	2.4	6	500	0.548	0.493	0.219	1
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	1.095	0.986	0.438	1
TPSD106*035#0300	D	10	35	85	23	125	3.5	6	300	0.707	0.636	0.283	1
PSE106*035#0100V	Е	10	35	85	23	125	3.5	6	100	1.285	1.156	0.514	:
PSE106*035#0150V	E	10	35	85	23	125	3.5	6	150	1.049	0.944	0.420	;
TPSE106*035#0200	Е	10	35	85	23	125	3.5	6	200	0.908	0.817	0.363	1
FPSY106*035#0250	Υ	10	35	85	23	125	3.5	6	250	0.707	0.636	0.283	1
FPSC156*035#0350	С	15	35	85	23	125	5.3	6	350	0.561	0.505	0.224	
FPSC156*035#0450	С	15	35	85	23	125	5.3	6	450	0.494	0.445	0.198	1
TPSD156*035#0100	D	15	35	85	23	125	5.3	6	100	1.225	1.102	0.490	1
TPSD156*035#0300	D	15	35	85	23	125	5.3	6	300	0.707	0.636	0.283	1
TPSY156*035#0250	Y	15	35	85	23	125	5.3	6	250	0.707	0.636	0.283	1
TPSD226*035#0125	D	22 22	35 35	85	23	125	7.7 7.7	6	125	1.095	0.986	0.438	1
TPSD226*035#0200 TPSD226*035#0300	D	22	35	85 85	23 23	125 125	7.7	6	200 300	0.866	0.779 0.636	0.346	1
		22			23		7.7						1
TPSD226*035#0400	D E	22	35	85	23	125 125	7.7	6	400 125	0.612 1.149	0.551 1.034	0.245	1
TPSE226*035#0125 TPSE226*035#0200	E	22	35 35	85 85	23	125	7.7	6	200	0.908	0.817	0.460	1
TPSE226*035#0300	E	22	35	85	23	125	7.7	6	300	0.908	0.667	0.363	1
TPSY226*035#0200	Y	22	35	85	23	125	7.7	6	200	0.742	0.712	0.237	1
000.0200	+	33	35	85	23	125	11.6	6	200	0.866	0.779	0.346	1
TPSD336*035#0200	l D	3.5	30										

Low ESR



RATINGS & PART NUMBER REFERENCE

Part Number	Case	Capacitance	Rated Voltage	Rated Temperature	Category Voltage	Category Temperature	DCL Max.	DF Max.	ESR Max.	100kH	z RMS Cur	rent (A)	MSL
T di Citalilioci	Size	(μ F)	(V)	(°C)	(V)	(°C)	(μA)	(%)	@ 100kHz (mΩ)	25°C	85°C	125°C	
TPSE336*035#0100	Е	33	35	85	23	125	11.6	6	100	1.285	1.156	0.514	1 ¹⁾
TPSE336*035#0250	Е	33	35	85	23	125	11.6	6	250	0.812	0.731	0.325	1 ¹⁾
TPSE336*035#0300	E	33	35	85	23	125	11.6	6	300	0.742	0.667	0.297	11)
TPSV336*035#0200	V	33	35	85	23	125	11.6	6	200	1.118	1.006	0.447	1 ¹⁾
TPSD476*035#0300V	D	47	35	85	23	125	16.5	6	300	0.707	0.636	0.283	3
TPSE476*035#0200	E	47	35	85	23	125	16.5	6	200	0.908	0.817	0.363	1 ¹⁾
TPSE476*035#0250	E	47	35	85	23	125	16.5	6	250	0.812	0.731	0.325	11)
TPSV476*035#0150	V	47	35	85	23	125	16.5	6	150	1.291	1.162	0.516	1 ¹⁾
TPSV476*035#0200	V	47	35	85	23	125	16.5	6	200	1.118	1.006	0.447	1 ¹⁾
TPSV686*035#0150	V	68	35	85	23	125	23.8	6	150	1.291	1.162	0.516	1 ¹⁾
TPSV686*035#0200	V	68	35	85	23	125	23.8	6	200	1.118	1.006	0.447	1 ¹⁾
					50 Volt	@ 85°C							
TPSA154*050#9000	Α	0.15	50	85	33	125	0.5	4	9000	0.091	0.082	0.037	1
TPSA224*050#7000	Α	0.22	50	85	33	125	0.5	4	7000	0.104	0.093	0.041	1
TPSA334*050#7000	Α	0.33	50	85	33	125	0.5	4	7000	0.104	0.093	0.041	1
TPSA474*050#6500	Α	0.47	50	85	33	125	0.5	4	6500	0.107	0.097	0.043	1
TPSB474*050#6000	В	0.47	50	85	33	125	0.5	4	6000	0.119	0.107	0.048	1
TPSC474*050#2300	С	0.47	50	85	33	125	0.5	4	2300	0.219	0.197	0.087	1
TPSB684*050#4000	В	0.68	50	85	33	125	0.5	4	4000	0.146	0.131	0.058	1
TPSB105*050#3000	В	1	50	85	33	125	0.5	6	3000	0.168	0.151	0.067	1
TPSC105*050#2500	С	1	50	85	33	125	0.5	4	2500	0.210	0.189	0.084	1
TPSC155*050#1500	С	1.5	50	85	33	125	0.8	6	1500	0.271	0.244	0.108	1
TPSC155*050#2000	С	1.5	50	85	33	125	0.8	6	2000	0.235	0.211	0.094	1
TPSC225*050#1500	С	2.2	50	85	33	125	1.1	8	1500	0.271	0.244	0.108	1
TPSD225*050#1200	D	2.2	50	85	33	125	1.1	6	1200	0.354	0.318	0.141	1 ¹⁾
TPSC335*050#1000	С	3.3	50	85	33	125	1.6	6	1000	0.332	0.298	0.133	1
TPSD335*050#0800	D	3.3	50	85	33	125	1.7	6	800	0.433	0.390	0.173	11)
TPSC475*050#0800	С	4.7	50	85	33	125	2.4	6	800	0.371	0.334	0.148	1
TPSD475*050#0250	D	4.7	50	85	33	125	2.4	6	250	0.775	0.697	0.310	1 ¹⁾
TPSD475*050#0300	D	4.7	50	85	33	125	2.4	6	300	0.707	0.636	0.283	11)
TPSD475*050#0500	D	4.7	50	85	33	125	2.4	6	500	0.548	0.493	0.219	1 ¹⁾
TPSD475*050#0700	D	4.7	50	85	33	125	2.4	6	700	0.463	0.417	0.185	1 ¹⁾
TPSX475*050#0500V	Х	4.7	50	85	33	125	2.4	6	500	0.447	0.402	0.179	3
TPSD685*050#0200	D	6.8	50	85	33	125	3.4	6	200	0.866	0.779	0.346	1 ¹⁾
TPSD685*050#0300	D	6.8	50	85	33	125	3.4	6	300	0.707	0.636	0.283	1 ¹⁾
TPSD685*050#0500	D	6.8	50	85	33	125	3.4	6	500	0.548	0.493	0.219	11)
TPSD685*050#0600	D	6.8	50	85	33	125	3.4	6	600	0.500	0.450	0.200	1 ¹⁾
TPSD106*050#0500	D	10	50	85	33	125	5	6	500	0.548	0.493	0.219	1 ¹⁾
TPSE106*050#0300	E	10	50	85	33	125	5	6	250	0.812	0.731	0.325	11)
TPSE106*050#0300	E	10	50	85	33	125	5	6	300	0.742	0.667	0.297	1 ¹⁾

 $^{1^{1)}}$ –Dry pack option (see How to order) is recommended for reduction of stress during soldering. Dry pack parts should be treated as MSL 3.

For AEC-Q200 availability, please contact KYOCERA 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 259.

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

Low ESR



QUALIFICATION TABLE

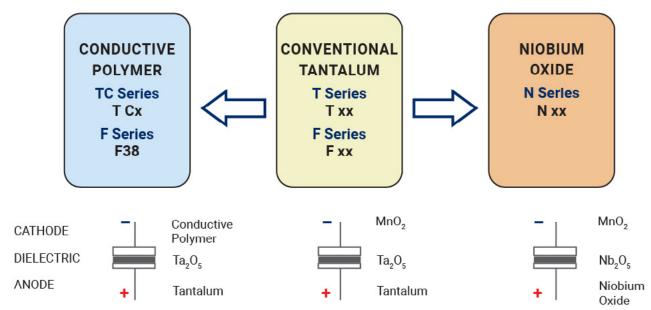
TEOT			TPS series (T	emperature range -	55°C to +	125°C)				
TEST		Condition				Characte	ristics	+85°C +125°C 10 x lL* 12.5 x lL* +10/-0% +12/-0% 1.5 x lL* 2 x lL* 1.25 x lL* 1.25 x lL*		
				Visual examination	no visible	e damage	itial value :			
	1 1 1 7	` '	or category voltage	DCL	1.5 x initi	al limit				
Endurance	` '	•	a circuit impedance	ΔC/C	within ±1	0% of initia	al value			
	of ≤0. IΩ/V. Stabilize before measuring.	e at room temperat	ure for 1-2 nours	DF	initial lim	it				
	before measuring.			ESR	1.25 x ini	tial limit				
				Visual examination	no visible	e damage				
	Store at 65°C and	95% relative humidit	y for 500 hours,	DCL	1.5 x initi	al limit				
Humidity		tage. Stabilize at ro	•	ΔC/C	within ±1	0% of initia	al value			
•	and humidity for 1-	2 hours before mea	suring.	DF	1.2 x initi	al limit				
				ESR	1.25 x ini	tial limit				
	Step	Temperature°C	Duration(min)		+20°C	-55°C	+20°C	+85°C	+125°C	+20°C
	1	+20	15	DCI	11 *	n/a	11 *	10 v II *	12 5 v II *	IL*
Temperature	2	-55	15		+	, ,			<u> </u>	
Stability	3 4	+20 +85	15		Characteristics al examination no visible damage 1.5 x initial limit within ±10% of initial value initial limit 1.25 x initial limit al examination no visible damage 1.5 x initial limit within ±10% of initial value 1.2 x initial limit 1.25 x initial limit 2 within ±5% of initial value initial limit 3 visible damage initial limit 4 vithin ±5% of initial value initial limit 5 within ±5% of initial value initial limit 7 within ±5% of initial value initial limit 1 initial limit			±5%		
•	5	+85	15 15	DCL	IL*	1.5 x IL*	IL*	1.5 x IL*	2 x IL*	IL*
	6	+20	15	ESR	1.25 x IL*	2.5 x IL*	aracteristics mage mit of initial value limit mage mit of initial value mit limit 55°C +20°C +85°C +125°C n/a L* 10 x L* 12.5 x L* /-10% ±5% +10/-0% +12/-0°C 5 x L* L* 1.5 x L* 2 x L* 5 x L* 1.25 x L* 1.25 x L* mage f initial value limit mage f initial value	1.25 x IL*	1.25 x IL	
		'	•	Visual examination	no visible	e damage		1		
	1117	y voltage (Uc) at 12		DCL	initial lim	it				
	*	6 min (30 sec charg		ΔC/C	within ±5	% of initial	value			
Voltage] 3, 3	a charge / discharg	ge resistance of		initial lim	it				
	1000Ω			ESR	1.25 x ini	tial limit				
				Visual examination	no visible	e damage				
				DCL	initial lim	it .				
Surge Voltage Mechanical Shock	MIL-STD-202, Meth	nod 213, Condition ()	ΔC/C	within ±5	% of initial	value			
	,	,		DF	initial lim	it				
						-				
				Visual examination	no visible	e damage		-		
Vibration	MII -STD-202 Meth	nod 204, Condition D)		+	-	value			
		0 ., 00					. 3.00			
								10 x IL* 12.5 x l +10/-0% +12/-0 1.5 x IL* 2 x IL		

^{*}Initial Limit

Low ESR



SOLID ELECTROLYTIC CAPACITOR ROADMAP



FIVE CAPACITOR CONSTRUCTION STYLES



SERIES LINE UP: CONVENTIONAL SMD MnO,

