CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

Capacitance		Rated Voltage DC (V_R) to 85°C								
µF	Code	2.5V (e)	4V (G)	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)	50V (T)
0.15	154									A(9000)
0.22	224								A(6000)	A(7000)
0.33	334								A(6000)	A(7000)
0.47	474							A(7000)	A(6000) B(4000)	A(6500), B(6000) C(2300)
0.68	684							A(6000)	A(6000)	B(4000)
1.0	105				R(9000)	A(6200)	A(3000), R(6000) S(6000), T(2000)	A(4000) R(2500,4000)	A(3000) B(2000)	B(3000) C(2500)
1.5	155						A(3000)	A(3000) B(1800)	A(3000) B(2500)	C(1500,2000)
2.2	225			R(7000)	A(1800)	A(1800,3500) T(2000)	A(3000) B(1700)	A(2500) B(900,1200,2500)	A(1500) B(750,1500, 2000) C(1000)	C(1500) D(1200)
3.3	335			A(2100)	T(1500)	A(3500) B(2500)	A(2500) B(1300)	A(1000,1500) B(750,1500,2000)	B(1000) C(700)	C(1000) D(800)
4.7	475			S(4000)	A(1400), B(1400) R(3000,5000)	A(2000) B(800,1500)	A(1800) B(750,1000)	B(700,900,1500) C(700)	B(700,1500) C(600), D(700)	C(800) D(250,300,500,700) X(500)
6.8	685			A(1800)	A(1800), B(1300) T(1800)	A(1500) B(600,1200)	A(1000) B(600,1000 C(700)	B(700) C(500,600,700)	C(350) D(150,400,500)	D(200,300, 500,600)
10	106		R(3000)	A(1500), B(1500) R(1000,1500,3000) T(1000)	A(900,1800), B(1000) P(2000)(M), S(900) T(1000,2000)	A(1000), B(500,800) C(500), T(800,1000) W(500,600)	B(500,1000) C(500,700) W(250, 500)	B(1800) C(300,500) D(500)	C(600) D(125,300) E(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.

RATINGS & PART NUMBER REFERENCE

Part Number	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (mΩ)	100kHz RMS Current (A)			MSL
										25°C	85°C	125°C	
2.5 Volt @ 85°C													
TPSB107*002#0200	B	100	2.5	85	1.7	125	2.5	8	200	0.652	0.587	0.261	1
TPSB157*002#0150	B	150	2.5	85	1.7	125	3	10	150	0.753	0.677	0.301	1
TPSB227*002#0150	B	220	2.5	85	1.7	125	4.4	16	150	0.753	0.677	0.301	1
TPSB227*002#0200	B	220	2.5	85	1.7	125	4.4	16	200	0.652	0.587	0.261	1
TPSB227*002#0600	B	220	2.5	85	1.7	125	4.4	16	600	0.376	0.339	0.151	1
TPSD227*002#0045	D	220	2.5	85	1.7	125	5.5	8	45	1.826	1.643	0.730	1[1)]
TPSY337*002#0040	Y	330	2.5	85	1.7	125	8.2	8	40	1.768	1.591	0.707	1[1)]
TPSD477*002#0035	D	470	2.5	85	1.7	125	11.6	8	35	2.070	1.863	0.828	1[1)]
TPSF477*002#0200	F	470	2.5	85	1.7	125	11.8	12	200	0.707	0.636	0.283	1
TPSY477*002#0100	Y	470	2.5	85	1.7	125	11	12	100	1.118	1.006	0.447	1[1)]
TPSD687*002#0035	D	680	2.5	85	1.7	125	17	16	35	2.070	1.863	0.828	1[1)]
TPSD687*002#0050	D	680	2.5	85	1.7	125	17	16	50	1.732	1.559	0.693	1[1)]
TPSE687*002#0035	E	680	2.5	85	1.7	125	17	10	35	2.171	1.954	0.868	1[1)]
TPSE687*002#0050	E	680	2.5	85	1.7	125	17	10	50	1.817	1.635	0.727	1[1)]
TPSY687*002#0100	Y	680	2.5	85	1.7	125	17	12	100	1.118	1.006	0.447	1[1)]
TPSE108*002#0030	E	1000	2.5	85	1.7	125	25	14	30	2.345	2.111	0.938	1[1)]
TPSE108*002#0040	E	1000	2.5	85	1.7	125	25	14	40	2.031	1.828	0.812	1[1)]
TPSY108M002#0100	Y	1000	2.5	85	1.7	125	25	30	100	1.118	1.006	0.447	1[1)]
TPSD158*002#0100	D	1500	2.5	85	1.7	125	37.5	60	100	1.225	1.102	0.490	1[1)]
TPSE158*002#0050	E	1500	2.5	85	1.7	125	37.5	20	50	1.817	1.635	0.727	1[1)]
TPSV158M002#0030	V	1500	2.5	85	1.7	125	30	20	30	2.887	2.598	1.155	1[1)]
TPSV158M002#0040	V	1500	2.5	85	1.7	125	30	20	40	2.500	2.250	1.000	1[1)]
4 Volt @ 85°C													
TPSR106*004#3000	R	10	4	85	2.7	125	0.5	6	3000	0.135	0.122	0.054	1
TPSA476*004#0500	A	47	4	85	2.7	125	1.9	8	500	0.387	0.349	0.155	1
TPSB107*004#0200	B	100	4	85	2.7	125	4	8	200	0.652	0.587	0.261	1
TPSB107*004#0250	B	100	4	85	2.7	125	4	8	250	0.583	0.525	0.233	1
TPSB107*004#0350	B	100	4	85	2.7	125	4	8	350	0.493	0.444	0.197	1
TPSB107*004#0500	B	100	4	85	2.7	125	4	8	500	0.412	0.371	0.165	1
TPST107M004#0500	T	100	4	85	2.7	125	4	14	500	0.400	0.360	0.160	1
TPSW107*004#0100	W	100	4	85	2.7	125	4	6	100	0.949	0.854	0.379	1
TPSB157*004#0250	B	150	4	85	2.7	125	6	10	250	0.583	0.525	0.233	1
TPSC157*004#0070	C	150	4	85	2.7	125	6	6	70	1.254	1.128	0.501	1
TPSC157*004#0080	C	150	4	85	2.7	125	6	6	80	1.173	1.055	0.469	1
TPSD227*004#0040	D	220	4	85	2.7	125	8.8	8	40	1.936	1.743	0.775	1[1)]
TPSD227*004#0050	D	220	4	85	2.7	125	8.8	8	50	1.732	1.559	0.693	1[1)]
TPSD227*004#0100	D	220	4	85	2.7	125	8.8	8	100	1.225	1.102	0.490	1[1)]
TPSY227*004#0040	Y	220	4	85	2.7	125	8.8	8	40	1.768	1.591	0.707	1[1)]
TPSY227*004#0050	Y	220	4	85	2.7	125	8.8	8	50	1.581	1.423	0.632	1[1)]
TPSY227*004#0075	Y	220	4	85	2.7	125	8.8	8	75	1.291	1.162	0.516	1[1)]
TPSC337*004#0100	C	330	4	85	2.7	125	13.2	8	100	1.049	0.944	0.420	1
TPSD337*004#0035	D	330	4	85	2.7	125	13.2	8	35	2.070	1.863	0.828	1[1)]
TPSD337*004#0045	D	330	4	85	2.7	125	13.2	8	45	1.826	1.643	0.730	1[1)]
TPSD337*004#0100	D	330	4	85	2.7	125	13.2	8	100	1.225	1.102	0.490	1[1)]
TPSF337*004#0200	F	330	4	85	2.7	125	13.2	10	200	0.707	0.636	0.283	1
TPSX337*004#0100	X	330	4	85	2.7	125	13.2	8	100	1.000	0.900	0.400	1[1)]
TPSD477*004#0045	D	470	4	85	2.7	125	18.8	12	45	1.826	1.643	0.730	1[1)]
TPSD477*004#0100	D	470	4	85	2.7	125	18.8	12	100	1.225	1.102	0.490	1[1)]
TPSE477*004#0035	E	470	4	85	2.7	125	18.8	10	35	2.171	1.954	0.868	1[1)]
TPSE477*004#0045	E	470	4	85	2.7	125	18.8	10	45	1.915	1.723	0.766	1[1)]
TPSE477*004#0100	E	470	4	85	2.7	125	18.8	10	100	1.285	1.156	0.514	1[1)]
TPSD687*004#0045	D	680	4	85	2.7	125	27.2	14	45	1.826	1.643	0.730	1[1)]
TPSD687*004#0060	D	680	4	85	2.7	125	27.2	14	60	1.581	1.423	0.632	1[1)]
TPSD687*004#0100	D	680	4	85	2.7	125	27.2	14	100	1.225	1.102	0.490	1[1)]
TPSE687*004#0040	E	680	4	85	2.7	125	27.2	10	40	2.031	1.828	0.812	1[1)]
TPSE687*004#0060	E	680	4	85	2.7	125	27.2	10	60	1.658	1.492	0.663	1[1)]
TPSE687*004#0100	E	680	4	85	2.7	125	27.2	10	100	1.285	1.156	0.514	1[1)]
TPSE108*004#0040	E	1000	4	85	2.7	125	40	14	40	2.031	1.828	0.812	1[1)]
TPSE108*004#0060	E	1000	4	85	2.7	125	40	14	60	1.658	1.492	0.663	1[1)]
TPSV108*004#0025	V	1000	4	85	2.7	125	40	16	25	3.162	2.846	1.265	1[1)]
TPSV108*004#0035	V	1000	4	85	2.7	125	40	16	35	2.673	2.405	1.069	1[1)]
TPSV108*004#0040	V	1000	4	85	2.7	125	40	16	40	2.500	2.250	1.000	1[1)]
TPSV108*004#0050	V	1000	4	85	2.7	125	40	16	50	2.236	2.012	0.894	1[1)]
TPSE158*004#0050	E	1500	4	85	2.7	125	60	30	50	1.817	1.635	0.727	1[1)]
TPSE158*004#0075	E	1500	4	85	2.7	125	60	30	75	1.483	1.335	0.593	1[1)]
TPSV158M004#0050	V	1500	4	85	2.7	125	60	30	50	2.236	2.012	0.894	1[1)]
TPSV158M004#0075	V	1500	4	85	2.7	125	60	30	75	1.826	1.643	0.730	1[1)]
6.3 Volt @ 85°C													
TPSR225*006#7000	R	2.2	6.3	85	4	125	0.5	6	7000	0.089	0.080	0.035	1
TPSA335*006#2100	A	3.3	6.3	85	4	125	0.5	6	2100	0.189	0.170	0.076	1
TPSS475*006#4000	S	4.7	6.3	85	4	125	0.5	6	4000	0.127	0.115	0.051	1
TPSA685*006#1800	A	6.8	6.3	85	4	125	0.5	6	1800	0.204	0.184	0.082	1
TPSA106*006#1500	A	10	6.3	85	4	125	0.6	6	1500	0.224	0.201	0.089	1
TPSB106*006#1500	B	10	6.3	85	4	125	0.6	6	1500	0.238	0.214	0.095	1
TPSR106*006#1000	R	10	6.3	85	4	125	0.6	8	1000	0.235	0.211	0.094	1
TPSR106*006#1500	R	10	6.3	85	4	125	0.6	8	1500	0.191	0.172	0.077	1
TPSR106*006#3000	R	10	6.3	85	4	125	0.6	8	3000	0.135	0.122	0.054	1
TPST106*006#1000	T	10	6.3	85	4	125	0.6	6	1000	0.283	0.255	0.113	1
TPSA156*006#0700	A	15	6.3	85	4	125	0.9	6	700	0.327	0.295	0.131	1
TPSA156*006#1500	A	15	6.3	85	4	125	0.9	6	1500	0.224	0.201	0.089	1
TPSA226*006#0300	A	22	6.3	85	4	125	1.4	6	300	0.500	0.450	0.200	1

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

RATINGS & PART NUMBER REFERENCE

Part Number	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (mΩ)	100kHz RMS Current (A)			MSL
										25°C	85°C	125°C	
TPSA226*006#0500	A	22	6.3	85	4	125	1.4	6	500	0.387	0.349	0.155	1
TPSA226*006#0900	A	22	6.3	85	4	125	1.4	6	900	0.289	0.260	0.115	1
TPSB226*006#0375	B	22	6.3	85	4	125	1.4	6	375	0.476	0.428	0.190	1
TPSB226*006#0600	B	22	6.3	85	4	125	1.4	6	600	0.376	0.339	0.151	1
TPSC226*006#0500	C	22	6.3	85	4	125	1.4	6	500	0.469	0.422	0.188	1
TPSS226*006#0900	S	22	6.3	85	4	125	1.3	10	900	0.269	0.242	0.107	1
TPSA336*006#0600	A	33	6.3	85	4	125	2.1	8	600	0.354	0.318	0.141	1
TPSB336*006#0250	B	33	6.3	85	4	125	2.1	6	250	0.583	0.525	0.233	1
TPSB336*006#0350	B	33	6.3	85	4	125	2.1	6	350	0.493	0.444	0.197	1
TPSB336*006#0450	B	33	6.3	85	4	125	2.1	6	450	0.435	0.391	0.174	1
TPSB336*006#0600	B	33	6.3	85	4	125	2.1	6	600	0.376	0.339	0.151	1
TPST336*006#0800	T	33	6.3	85	4	125	2.1	10	800	0.316	0.285	0.126	1
TPSA476*006#0800	A	47	6.3	85	4	125	2.8	10	800	0.306	0.276	0.122	1
TPSB476*006#0250	B	47	6.3	85	4	125	3	6	250	0.583	0.525	0.233	1
TPSB476*006#0350	B	47	6.3	85	4	125	3	6	350	0.493	0.444	0.197	1
TPSB476*006#0500	B	47	6.3	85	4	125	3	6	500	0.412	0.371	0.165	1
TPSC476*006#0300	C	47	6.3	85	4	125	3	6	300	0.606	0.545	0.242	1
TPST476*006#1200	T	47	6.3	85	4	125	2.8	10	1200	0.258	0.232	0.103	1
TPSB686*006#0250	B	68	6.3	85	4	125	4	8	250	0.583	0.525	0.233	1
TPSB686*006#0350	B	68	6.3	85	4	125	4	8	350	0.493	0.444	0.197	1
TPSB686*006#0500	B	68	6.3	85	4	125	4	8	500	0.412	0.371	0.165	1
TPSC686*006#0150	C	68	6.3	85	4	125	4.3	6	150	0.856	0.771	0.343	1
TPSC686*006#0200	C	68	6.3	85	4	125	4.3	6	200	0.742	0.667	0.297	1
TPSW686*006#0110	W	68	6.3	85	4	125	4.3	6	110	0.905	0.814	0.362	1
TPSW686*006#0125	W	68	6.3	85	4	125	4.3	6	125	0.849	0.764	0.339	1
TPSW686*006#0250	W	68	6.3	85	4	125	4.3	6	250	0.600	0.540	0.240	1
TPSB107*006#0250	B	100	6.3	85	4	125	6.3	10	250	0.583	0.525	0.233	1
TPSB107*006#0400	B	100	6.3	85	4	125	6.3	10	400	0.461	0.415	0.184	1
TPSC107*006#0075	C	100	6.3	85	4	125	6.3	6	75	1.211	1.090	0.484	1
TPSC107*006#0150	C	100	6.3	85	4	125	6.3	6	150	0.856	0.771	0.343	1
TPSD107*006#0300	D	100	6.3	85	4	125	6.3	6	300	0.707	0.636	0.283	1[1)]
TPSW107*006#0100	W	100	6.3	85	4	125	6.3	6	100	0.949	0.854	0.379	1
TPSW107*006#0150	W	100	6.3	85	4	125	6.3	6	150	0.775	0.697	0.310	1
TPSY107*006#0100	Y	100	6.3	85	4	125	6.3	6	100	1.118	1.006	0.447	1[1)]
TPSC157*006#0050	C	150	6.3	85	4	125	9.5	6	50	1.483	1.335	0.593	1
TPSC157*006#0090	C	150	6.3	85	4	125	9.5	6	90	1.106	0.995	0.442	1
TPSC157*006#0150	C	150	6.3	85	4	125	9.5	6	150	0.856	0.771	0.343	1
TPSC157*006#0200	C	150	6.3	85	4	125	9.5	6	200	0.742	0.667	0.297	1
TPSC157*006#0250	C	150	6.3	85	4	125	9.5	6	250	0.663	0.597	0.265	1
TPSD157*006#0050	D	150	6.3	85	4	125	9.5	6	50	1.732	1.559	0.693	1[1)]
TPSD157*006#0125	D	150	6.3	85	4	125	9.5	6	125	1.095	0.986	0.438	1[1)]
TPSY157*006#0040	Y	150	6.3	85	4	125	9.5	6	40	1.768	1.591	0.707	1[1)]
TPSY157*006#0050	Y	150	6.3	85	4	125	9.5	6	50	1.581	1.423	0.632	1[1)]
TPSC227*006#0070	C	220	6.3	85	4	125	13.9	8	70	1.254	1.128	0.501	1
TPSC227*006#0100	C	220	6.3	85	4	125	13.9	8	100	1.049	0.944	0.420	1
TPSC227*006#0125	C	220	6.3	85	4	125	13.9	8	125	0.938	0.844	0.375	1
TPSC227*006#0250	C	220	6.3	85	4	125	13.9	8	250	0.663	0.597	0.265	1
TPSD227*006#0050	D	220	6.3	85	4	125	13.9	8	50	1.732	1.559	0.693	1[1)]
TPSD227*006#0100	D	220	6.3	85	4	125	13.9	8	100	1.225	1.102	0.490	1[1)]
TPSD227*006#0125	D	220	6.3	85	4	125	13.9	8	125	1.095	0.986	0.438	1[1)]
TPSE227*006#0100	E	220	6.3	85	4	125	13.9	8	100	1.285	1.156	0.514	1[1)]
TPSF227*006#0200	F	220	6.3	85	4	125	13.2	10	200	0.707	0.636	0.283	1
TPSY227*006#0100	Y	220	6.3	85	4	125	13.9	8	100	1.118	1.006	0.447	1[1)]
TPSY227*006#0150	Y	220	6.3	85	4	125	13.9	8	150	0.913	0.822	0.365	1[1)]
TPSC337*006#0080	C	330	6.3	85	4	125	19.8	12	80	1.173	1.055	0.469	1
TPSC337*006#0100	C	330	6.3	85	4	125	19.8	12	100	1.049	0.944	0.420	1
TPSD337*006#0045	D	330	6.3	85	4	125	20.8	8	45	1.826	1.643	0.730	1[1)]
TPSD337*006#0050	D	330	6.3	85	4	125	20.8	8	50	1.732	1.559	0.693	1[1)]
TPSD337*006#0070	D	330	6.3	85	4	125	20.8	8	70	1.464	1.317	0.586	1[1)]
TPSD337*006#0100	D	330	6.3	85	4	125	20.8	8	100	1.225	1.102	0.490	1[1)]
TPSE337*006#0050	E	330	6.3	85	4	125	20.8	8	50	1.817	1.635	0.727	1[1)]
TPSE337*006#0100	E	330	6.3	85	4	125	20.8	8	100	1.285	1.156	0.514	1[1)]
TPSE337*006#0125	E	330	6.3	85	4	125	20.8	8	125	1.149	1.034	0.460	1[1)]
TPSE337*006#0150	E	330	6.3	85	4	125	20.8	8	150	1.049	0.944	0.420	1[1)]
TPSV337*006#0100	V	330	6.3	85	4	125	20.8	8	100	1.581	1.423	0.632	1[1)]
TPSY337*006#0075	Y	330	6.3	85	4	125	20.8	12	75	1.291	1.162	0.516	1[1)]
TPSY337*006#0100	Y	330	6.3	85	4	125	20.8	12	100	1.118	1.006	0.447	1[1)]
TPSY337*006#0150	Y	330	6.3	85	4	125	20.8	12	150	0.913	0.822	0.365	1[1)]
TPSD477*006#0045	D	470	6.3	85	4	125	28	12	45	1.826	1.643	0.730	1[1)]
TPSD477*006#0060	D	470	6.3	85	4	125	28	12	60	1.581	1.423	0.632	1[1)]
TPSD477*006#0100	D	470	6.3	85	4	125	28	12	100	1.225	1.102	0.490	1[1)]
TPSD477*006#0200	D	470	6.3	85	4	125	28	12	200	0.866	0.779	0.346	1[1)]
TPSE477*006#0045	E	470	6.3	85	4	125	28	10	45	1.915	1.723	0.766	1[1)]
TPSE477*006#0050	E	470	6.3	85	4	125	28	10	50	1.817	1.635	0.727	1[1)]
TPSE477*006#0060	E	470	6.3	85	4	125	28	10	60	1.658	1.492	0.663	1[1)]
TPSE477*006#0100	E	470	6.3	85	4	125	28	10	100	1.285	1.156	0.514	1[1)]
TPSE477*006#0200	E	470	6.3	85	4	125	28	10	200	0.908	0.817	0.363	1[1)]
TPSV477*006#0040	V	470	6.3	85	4	125	28	10	40	2.500	2.250	1.000	1[1)]
TPSV477*006#0055	V	470	6.3	85	4	125	28	10	55	2.132	1.919	0.853	1[1)]
TPSV477*006#0100	V	470	6.3	85	4	125	28	10	100	1.581	1.423	0.632	1[1)]
TPSY477*006#0150	Y	470	6,3	85	4	125	28.2	20	150	0.913	0.822	0.365	1[1)]
TPSE687*006#0045	E	680	6.3	85	4	125	42.8	10	45	1.915	1.723	0.766	1[1)]
TPSE687*006#0060	E	680	6.3	85	4	125	42.8	10	60	1.658	1.492	0.663	1[1)]
TPSE687*006#0100	E	680	6.3	85	4	125	42.8	10	100	1.285	1.156	0.514	1[1)]

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

RATINGS & PART NUMBER REFERENCE

Part Number	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (mΩ)	100kHz RMS Current (A)			MSL
										25°C	85°C	125°C	
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	1[1)]
TPSV687*006#0050	V	680	6.3	85	4	125	42.8	10	50	2.236	2.012	0.894	1[1)]
TPSE108M006#0100	E	1000	6.3	85	4	125	60	20	100	1.285	1.156	0.514	1[1)]
TPSV108M006#0040	V	1000	6.3	85	4	125	60	16	40	2.500	2.250	1.000	1[1)]
TPSV108M006#0050	V	1000	6.3	85	4	125	60	16	50	2.236	2.012	0.894	1[1)]
10 Volt @ 85°C													
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	T	3.3	10	85	7	125	0.5	6	1500	0.231	0.208	0.092	1
TPSA475*010#1400	A	4.7	10	85	7	125	0.5	6	1400	0.231	0.208	0.093	1
TPSB475*010#1400	B	4.7	10	85	7	125	0.5	6	1400	0.246	0.222	0.099	1
TPSR475*010#3000	R	4.7	10	85	7	125	0.5	6	3000	0.135	0.122	0.054	1
TPSR475*010#5000	R	4.7	10	85	7	125	0.5	6	5000	0.105	0.094	0.042	1
TPSA685*010#1800	A	6.8	10	85	7	125	0.7	6	1800	0.204	0.184	0.082	1
TPSB685*010#1300	B	6.8	10	85	7	125	0.7	6	1300	0.256	0.230	0.102	1
TPST685*010#1800	T	6.8	10	85	7	125	0.7	6	1800	0.211	0.190	0.084	1
TPSA106*010#0900	A	10	10	85	7	125	1	6	900	0.289	0.260	0.115	1
TPSA106*010#1800	A	10	10	85	7	125	1	6	1800	0.204	0.184	0.082	1
TPSB106*010#1000	B	10	10	85	7	125	1	6	1000	0.292	0.262	0.117	1
TPSP106M010#2000	P	10	10	85	7	125	1	8	2000	0.173	0.156	0.069	1
TPSS106*010#0900	S	10	10	85	7	125	1	8	900	0.269	0.242	0.107	1
TPST106*010#1000	T	10	10	85	7	125	1	6	1000	0.283	0.255	0.113	1
TPST106*010#2000	T	10	10	85	7	125	1	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	B	15	10	85	7	125	1.5	6	450	0.435	0.391	0.174	1
TPSB156*010#0600	B	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
TPSA226*010#0900	A	22	10	85	7	125	2.2	8	900	0.289	0.260	0.115	1
TPSB226*010#0400	B	22	10	85	7	125	2.2	6	400	0.461	0.415	0.184	1
TPSB226*010#0500	B	22	10	85	7	125	2.2	6	500	0.412	0.371	0.165	1
TPSB226*010#0700	B	22	10	85	7	125	2.2	6	700	0.348	0.314	0.139	1
TPSC226*010#0300	C	22	10	85	7	125	2.2	6	300	0.606	0.545	0.242	1
TPST226*010#0800	T	22	10	85	7	125	2.2	8	800	0.316	0.285	0.126	1
TPSA336*010#0700	A	33	10	85	7	125	3.3	8	700	0.327	0.295	0.131	1
TPSB336*010#0250	B	33	10	85	7	125	3.3	6	250	0.583	0.525	0.233	1
TPSB336*010#0425	B	33	10	85	7	125	3.3	6	425	0.447	0.402	0.179	1
TPSB336*010#0500	B	33	10	85	7	125	3.3	6	500	0.412	0.371	0.165	1
TPSB336*010#0650	B	33	10	85	7	125	3.3	6	650	0.362	0.325	0.145	1
TPSC336*010#0150	C	33	10	85	7	125	3.3	6	150	0.856	0.771	0.343	1
TPSC336*010#0375	C	33	10	85	7	125	3.3	6	375	0.542	0.487	0.217	1
TPSC336*010#0500	C	33	10	85	7	125	3.3	6	500	0.469	0.422	0.188	1
TPSW336*010#0350	W	33	10	85	7	125	3.3	6	350	0.507	0.456	0.203	1
TPSB476*010#0250	B	47	10	85	7	125	4.7	8	250	0.583	0.525	0.233	1
TPSB476*010#0350	B	47	10	85	7	125	4.7	8	350	0.493	0.444	0.197	1
TPSB476*010#0500	B	47	10	85	7	125	4.7	8	500	0.412	0.371	0.165	1
TPSB476*010#0650	B	47	10	85	7	125	4.7	8	650	0.362	0.325	0.145	1
TPSC476*010#0200	C	47	10	85	7	125	4.7	6	200	0.742	0.667	0.297	1
TPSC476*010#0350	C	47	10	85	7	125	4.7	6	350	0.561	0.505	0.224	1
TPSD476*010#0100	D	47	10	85	7	125	4.7	6	100	1.225	1.102	0.490	1[1)]
TPSD476*010#0300	D	47	10	85	7	125	4.7	6	300	0.707	0.636	0.283	1[1)]
TPSW476*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
TPSW476*010#0250	W	47	10	85	7	125	4.7	6	250	0.600	0.540	0.240	1
TPSB686*010#0600	B	68	10	85	7	125	6.8	8	600	0.376	0.339	0.151	1
TPSC686*010#0080	C	68	10	85	7	125	6.8	6	80	1.173	1.055	0.469	1
TPSC686*010#0100	C	68	10	85	7	125	6.8	6	100	1.049	0.944	0.420	1
TPSC686*010#0200	C	68	10	85	7	125	6.8	6	200	0.742	0.667	0.297	1
TPSC686*010#0300	C	68	10	85	7	125	6.8	6	300	0.606	0.545	0.242	1
TPSD686*010#0100	D	68	10	85	7	125	6.8	6	100	1.225	1.102	0.490	1[1)]
TPSD686*010#0150	D	68	10	85	7	125	6.8	6	150	1.000	0.900	0.400	1[1)]
TPSY686*010#0100	Y	68	10	85	7	125	6.8	6	100	1.118	1.006	0.447	1[1)]
TPSY686*010#0200	Y	68	10	85	7	125	6.8	6	200	0.791	0.712	0.316	1[1)]
TPSW686*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	B	100	10	85	7	125	10	8	400	0.461	0.415	0.184	1
TPSC107*010#0075	C	100	10	85	7	125	10	8	75	1.211	1.090	0.484	1
TPSC107*010#0100	C	100	10	85	7	125	10	8	100	1.049	0.944	0.420	1
TPSC107*010#0150	C	100	10	85	7	125	10	8	150	0.856	0.771	0.343	1
TPSC107*010#0200	C	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[1)]
TPSD107*010#0065	D	100	10	85	7	125	10	6	65	1.519	1.367	0.608	1[1)]
TPSD107*010#0080	D	100	10	85	7	125	10	6	80	1.369	1.232	0.548	1[1)]
TPSD107*010#0100	D	100	10	85	7	125	10	6	100	1.225	1.102	0.490	1[1)]
TPSD107*010#0125	D	100	10	85	7	125	10	6	125	1.095	0.986	0.438	1[1)]
TPSD107*010#0150	D	100	10	85	7	125	10	6	150	1.000	0.900	0.400	1[1)]
TPSE107*010#0125	E	100	10	85	7	125	10	6	125	1.149	1.034	0.460	1[1)]
TPSW107*010#0150	W	100	10	85	7	125	10	6	150	0.775	0.697	0.310	1
TPSX107*010#0085	X	100	10	85	7	125	10	8	85	1.085	0.976	0.434	1[1)]
TPSX107*010#0150	X	100	10	85	7	125	10	8	150	0.816	0.735	0.327	1[1)]
TPSX107*010#0200	X	100	10	85	7	125	10	8	200	0.707	0.636	0.283	1[1)]
TPSY107*010#0100	Y	100	10	85	7	125	10	6	100	1.118	1.006	0.447	1[1)]

RATINGS & PART NUMBER REFERENCE

Part Number	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (mΩ)	100kHz RMS Current (A)			MSL
										25°C	85°C	125°C	
TPSY107*010#0150	Y	100	10	85	7	125	10	6	150	0.913	0.822	0.365	1[1)]
TPSY107*010#0200	Y	100	10	85	7	125	10	6	200	0.791	0.712	0.316	1[1)]
TPSC157*010#0150	C	150	10	85	7	125	15	8	150	0.856	0.771	0.343	1
TPSD157*010#0050	D	150	10	85	7	125	15	8	50	1.732	1.559	0.693	1[1)]
TPSD157*010#0085	D	150	10	85	7	125	15	8	85	1.328	1.196	0.531	1[1)]
TPSD157*010#0100	D	150	10	85	7	125	15	8	100	1.225	1.102	0.490	1[1)]
TPSE157*010#0100	E	150	10	85	7	125	15	8	100	1.285	1.156	0.514	1[1)]
TPSF157*010#0200	F	150	10	85	7	125	15	10	200	0.707	0.636	0.283	1
TPSX157M010#0100	X	150	10	85	7	125	15	6	100	1.000	0.900	0.400	1[1)]
TPSY157*010#0100	Y	150	10	85	7	125	15	6	100	1.118	1.006	0.447	1[1)]
TPSY157*010#0150	Y	150	10	85	7	125	15	6	150	0.913	0.822	0.365	1[1)]
TPSY157*010#0200	Y	150	10	85	7	125	15	6	200	0.791	0.712	0.316	1[1)]
TPSD227*010#0040	D	220	10	85	7	125	22	8	40	1.936	1.743	0.775	1[1)]
TPSD227*010#0050	D	220	10	85	7	125	22	8	50	1.732	1.559	0.693	1[1)]
TPSD227*010#0100	D	220	10	85	7	125	22	8	100	1.225	1.102	0.490	1[1)]
TPSD227*010#0150	D	220	10	85	7	125	22	8	150	1.000	0.900	0.400	1[1)]
TPSE227*010#0050	E	220	10	85	7	125	22	8	50	1.817	1.635	0.727	1[1)]
TPSE227*010#0060	E	220	10	85	7	125	22	8	60	1.658	1.492	0.663	1[1)]
TPSE227*010#0070	E	220	10	85	7	125	22	8	70	1.535	1.382	0.614	1[1)]
TPSE227*010#0100	E	220	10	85	7	125	22	8	100	1.285	1.156	0.514	1[1)]
TPSE227*010#0125	E	220	10	85	7	125	22	8	125	1.149	1.034	0.460	1[1)]
TPSE227*010#0150	E	220	10	85	7	125	22	8	150	1.049	0.944	0.420	1[1)]
TPSY227*010#0100	Y	220	10	85	7	125	22	10	100	1.118	1.006	0.447	1[1)]
TPSY227*010#0150	Y	220	10	85	7	125	22	10	150	0.913	0.822	0.365	1[1)]
TPSY227*010#0200	Y	220	10	85	7	125	22	10	200	0.791	0.712	0.316	1[1)]
TPSD337*010#0050	D	330	10	85	7	125	33	8	50	1.732	1.559	0.693	1[1)]
TPSD337*010#0065	D	330	10	85	7	125	33	8	65	1.519	1.367	0.608	1[1)]
TPSD337*010#0100	D	330	10	85	7	125	33	8	100	1.225	1.102	0.490	1[1)]
TPSD337*010#0150	D	330	10	85	7	125	33	8	150	1.000	0.900	0.400	1[1)]
TPSE337*010#0040	E	330	10	85	7	125	33	8	40	2.031	1.828	0.812	1[1)]
TPSE337*010#0050	E	330	10	85	7	125	33	8	50	1.817	1.635	0.727	1[1)]
TPSE337*010#0060	E	330	10	85	7	125	33	8	60	1.658	1.492	0.663	1[1)]
TPSE337*010#0100	E	330	10	85	7	125	33	8	100	1.285	1.156	0.514	1[1)]
TPSV337*010#0040	V	330	10	85	7	125	33	10	40	2.500	2.250	1.000	1[1)]
TPSV337*010#0060	V	330	10	85	7	125	33	10	60	2.041	1.837	0.816	1[1)]
TPSV337*010#0100	V	330	10	85	7	125	33	10	100	1.581	1.423	0.632	1[1)]
TPSE477*010#0045	E	470	10	85	7	125	47	10	45	1.915	1.723	0.766	1[1)]
TPSE477*010#0050	E	470	10	85	7	125	47	10	50	1.817	1.635	0.727	1[1)]
TPSE477*010#0060	E	470	10	85	7	125	47	10	60	1.658	1.492	0.663	1[1)]
TPSE477*010#0100	E	470	10	85	7	125	47	10	100	1.285	1.156	0.514	1[1)]
TPSE477*010#0200	E	470	10	85	7	125	47	10	200	0.908	0.817	0.363	1[1)]
TPSV477*010#0040	V	470	10	85	7	125	47	10	40	2.500	2.250	1.000	1[1)]
TPSV477*010#0060	V	470	10	85	7	125	47	10	60	2.041	1.837	0.816	1[1)]
TPSV477*010#0100	V	470	10	85	7	125	47	10	100	1.581	1.423	0.632	1[1)]
TPSE687M010#0150V	E	680	10	85	7	125	68	18	150	1.049	0.944	0.420	3
TPSV687M010#0100V	V	680	10	85	7	125	68	18	100	1.581	1.423	0.632	3
16 Volt @ 85°C													
TPSA105*016#6200	A	1	16	85	10	125	0.5	4	6200	0.110	0.099	0.044	1
TPSA225*016#1800	A	2.2	16	85	10	125	0.5	6	1800	0.204	0.184	0.082	1
TPSA225*016#3500	A	2.2	16	85	10	125	0.5	6	3500	0.146	0.132	0.059	1
TPST225*016#2000	T	2.2	16	85	10	125	0.5	6	2000	0.200	0.180	0.080	1
TPSA335*016#3500	A	3.3	16	85	10	125	0.5	6	3500	0.146	0.132	0.059	1
TPSB335*016#2500	B	3.3	16	85	10	125	0.5	6	2500	0.184	0.166	0.074	1
TPSA475*016#2000	A	4.7	16	85	10	125	0.8	6	2000	0.194	0.174	0.077	1
TPSB475*016#0800	B	4.7	16	85	10	125	0.8	6	800	0.326	0.293	0.130	1
TPSB475*016#1500	B	4.7	16	85	10	125	0.8	6	1500	0.238	0.214	0.095	1
TPSA685*016#1500	A	6.8	16	85	10	125	1.1	6	1500	0.224	0.201	0.089	1
TPSB685*016#0600	B	6.8	16	85	10	125	1.1	6	600	0.376	0.339	0.151	1
TPSB685*016#1200	B	6.8	16	85	10	125	1.1	6	1200	0.266	0.240	0.106	1
TPSA106*016#1000	A	10	16	85	10	125	1.6	6	1000	0.274	0.246	0.110	1
TPSB106*016#0500	B	10	16	85	10	125	1.6	6	500	0.412	0.371	0.165	1
TPSB106*016#0800	B	10	16	85	10	125	1.6	6	800	0.326	0.293	0.130	1
TPSC106*016#0500	C	10	16	85	10	125	1.6	6	500	0.469	0.422	0.188	1
TPST106*016#0800	T	10	16	85	10	125	1.6	8	800	0.316	0.285	0.126	1
TPST106*016#1000	T	10	16	85	10	125	1.6	8	1000	0.283	0.255	0.113	1
TPSW106*016#0500	W	10	16	85	10	125	1.6	6	500	0.424	0.382	0.170	1
TPSW106*016#0600	W	10	16	85	10	125	1.6	6	600	0.387	0.349	0.155	1
TPSB156*016#0500	B	15	16	85	10	125	2.4	6	500	0.412	0.371	0.165	1
TPSB156*016#0800	B	15	16	85	10	125	2.4	6	800	0.326	0.293	0.130	1
TPSC156*016#0300	C	15	16	85	10	125	2.4	6	300	0.606	0.545	0.242	1
TPSC156*016#0700	C	15	16	85	10	125	2.4	6	700	0.396	0.357	0.159	1
TPSB226*016#0400	B	22	16	85	10	125	3.5	6	400	0.461	0.415	0.184	1
TPSB226*016#0600	B	22	16	85	10	125	3.5	6	600	0.376	0.339	0.151	1
TPSC226*016#0150	C	22	16	85	10	125	3.5	6	150	0.856	0.771	0.343	1
TPSC226*016#0250	C	22	16	85	10	125	3.5	6	250	0.663	0.597	0.265	1
TPSC226*016#0300	C	22	16	85	10	125	3.5	6	300	0.606	0.545	0.242	1
TPSC226*016#0375	C	22	16	85	10	125	3.5	6	375	0.542	0.487	0.217	1
TPSD226*016#0700	D	22	16	85	10	125	3.5	6	700	0.463	0.417	0.185	1[1)]
TPSW226*016#0500	W	22	16	85	10	125	3.5	6	500	0.424	0.382	0.170	1
TPSB336*016#0350	B	33	16	85	10	125	5.3	8	350	0.493	0.444	0.197	1
TPSB336*016#0500	B	33	16	85	10	125	5.3	8	500	0.412	0.371	0.165	1
TPSC336*016#0100	C	33	16	85	10	125	5.3	6	100	1.049	0.944	0.420	1
TPSC336*016#0150	C	33	16	85	10	125	5.3	6	150	0.856	0.771	0.343	1

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

RATINGS & PART NUMBER REFERENCE

Part Number	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (mΩ)	100kHz RMS Current (A)			MSL
										25°C	85°C	125°C	
TPSC336*016#0225	C	33	16	85	10	125	5.3	6	225	0.699	0.629	0.280	1
TPSC336*016#0300	C	33	16	85	10	125	5.3	6	300	0.606	0.545	0.242	1
TPSD336*016#0200	D	33	16	85	10	125	5.3	6	200	0.866	0.779	0.346	1[1)]
TPSW336*016#0140	W	33	16	85	10	125	5.3	6	140	0.802	0.722	0.321	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	W	33	16	85	10	125	5.3	6	400	0.474	0.427	0.190	1
TPSW336*016#0500	W	33	16	85	10	125	5.3	6	500	0.424	0.382	0.170	1
TPSY336*016#0300	Y	33	16	85	10	125	5.3	6	300	0.645	0.581	0.258	1[1)]
TPSY336*016#0400	Y	33	16	85	10	125	5.3	6	400	0.559	0.503	0.224	1[1)]
TPSC476*016#0110	C	47	16	85	10	125	7.5	6	110	1.000	0.900	0.400	1
TPSC476*016#0350	C	47	16	85	10	125	7.5	6	350	0.561	0.505	0.224	1
TPSD476*016#0080	D	47	16	85	10	125	7.5	6	80	1.369	1.232	0.548	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	1[1)]
TPSW476*016#0200	W	47	16	85	10	125	7.5	6	200	0.671	0.604	0.268	1
TPSX476*016#0180	X	47	16	85	10	125	7.5	6	180	0.745	0.671	0.298	1[1)]
TPSY476*016#0250	Y	47	16	85	10	125	7.5	6	250	0.707	0.636	0.283	1[1)]
TPSC686*016#0125	C	68	16	85	10	125	10.9	6	125	0.938	0.844	0.375	1
TPSC686*016#0200	C	68	16	85	10	125	10.9	6	200	0.742	0.667	0.297	1
TPSD686*016#0070	D	68	16	85	10	125	10.9	6	70	1.464	1.317	0.586	1[1)]
TPSD686*016#0100	D	68	16	85	10	125	10.9	6	100	1.225	1.102	0.490	1[1)]
TPSD686*016#0150	D	68	16	85	10	125	10.9	6	150	1.000	0.900	0.400	1[1)]
TPSF686*016#0200	F	68	16	85	10	125	10.9	10	200	0.707	0.636	0.283	1
TPSX686*016#0150	X	68	16	85	10	125	10.9	8	150	0.816	0.735	0.327	1[1)]
TPSY686*016#0150	Y	68	16	85	10	125	10.9	6	150	0.913	0.822	0.365	1[1)]
TPSY686*016#0200	Y	68	16	85	10	125	10.9	6	200	0.791	0.712	0.316	1[1)]
TPSY686*016#0250	Y	68	16	85	10	125	10.9	6	250	0.707	0.636	0.283	1[1)]
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	1[1)]
TPSD107*016#0125	D	100	16	85	10	125	16	6	125	1.095	0.986	0.438	1[1)]
TPSD107*016#0150	D	100	16	85	10	125	16	6	150	1.000	0.900	0.400	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	1[1)]
TPSE107*016#0150	E	100	16	85	10	125	16	6	150	1.049	0.944	0.420	1[1)]
TPSF107M016#0150	F	100	16	85	10	125	16	10	150	0.816	0.735	0.327	1
TPSF107M016#0200	F	100	16	85	10	125	16	10	200	0.707	0.636	0.283	1
TPSY107*016#0100	Y	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	1[1)]
TPSY107*016#0200	Y	100	16	85	10	125	16	8	200	0.791	0.712	0.316	1[1)]
TPSD157*016#0060	D	150	16	85	10	125	24	6	60	1.581	1.423	0.632	1[1)]
TPSD157*016#0085	D	150	16	85	10	125	24	6	85	1.328	1.196	0.531	1[1)]
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	1[1)]
TPSD157*016#0150	D	150	16	85	10	125	24	6	150	1.000	0.900	0.400	1[1)]
TPSE157*016#0050V	E	150	16	85	10	125	24	8	50	1.817	1.635	0.727	3
TPSE157*016#0100	E	150	16	85	10	125	24	8	100	1.285	1.156	0.514	1[1)]
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	Y	150	16	85	10	125	24	15	200	0.791	0.712	0.316	1[1)]
TPSD227M016#0200V	D	220	16	85	10	125	35.2	10	200	0.866	0.779	0.346	3
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	16	85	10	125	35.2	10	150	1.049	0.944	0.420	1[1)]
TPSV227*016#0050	V	220	16	85	10	125	35.2	8	50	2.236	2.012	0.894	1[1)]
TPSV227*016#0075	V	220	16	85	10	125	35.2	8	75	1.826	1.643	0.730	1[1)]
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	1[1)]
TPSE337M016#0200	E	330	16	85	10	125	52.8	30	200	0.908	0.817	0.363	1[1)]
20 Volt @ 85°C													
TPSA105*020#3000	A	1	20	85	13	125	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	T	1	20	85	13	125	0.5	4	2000	0.200	0.180	0.080	1
TPSA155*020#3000	A	1.5	20	85	13	125	0.5	6	3000	0.158	0.142	0.063	1
TPSA225*020#3000	A	2.2	20	85	13	125	0.5	6	3000	0.158	0.142	0.063	1
TPSB225*020#1700	B	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	B	3.3	20	85	13	125	0.7	6	1300	0.256	0.230	0.102	1
TPSA475*020#1800	A	4.7	20	85	13	125	0.9	6	1800	0.204	0.184	0.082	1
TPSB475*020#0750	B	4.7	20	85	13	125	0.9	6	750	0.337	0.303	0.135	1
TPSB475*020#1000	B	4.7	20	85	13	125	0.9	6	1000	0.292	0.262	0.117	1
TPSA685*020#1000	A	6.8	20	85	13	125	1.4	6	1000	0.274	0.246	0.110	1
TPSB685*020#0600	B	6.8	20	85	13	125	1.4	6	600	0.376	0.339	0.151	1
TPSB685*020#1000	B	6.8	20	85	13	125	1.4	6	1000	0.292	0.262	0.117	1
TPSC685*020#0700	C	6.8	20	85	13	125	1.4	6	700	0.396	0.357	0.159	1
TPSB106*020#0500	B	10	20	85	13	125	2	6	500	0.412	0.371	0.165	1
TPSB106*020#1000	B	10	20	85	13	125	2	6	1000	0.292	0.262	0.117	1

RATINGS & PART NUMBER REFERENCE

Part Number	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (mΩ)	100kHz RMS Current (A)			MSL
										25°C	85°C	125°C	
TPSC106*020#0500	C	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	W	10	20	85	13	125	2	6	250	0.600	0.540	0.240	1
TPSW106*020#0500	W	10	20	85	13	125	2	6	500	0.424	0.382	0.170	1
TPSB156*020#0500	B	15	20	85	13	125	3	6	500	0.412	0.371	0.165	1
TPSC156*020#0400	C	15	20	85	13	125	3	6	400	0.524	0.472	0.210	1
TPSC156*020#0450	C	15	20	85	13	125	3	6	450	0.494	0.445	0.198	1
TPSB226*020#0400	B	22	20	85	13	125	4.4	6	400	0.461	0.415	0.184	1
TPSB226*020#0600	B	22	20	85	13	125	4.4	6	600	0.376	0.339	0.151	1
TPSC226*020#0100	C	22	20	85	13	125	4.4	6	100	1.049	0.944	0.420	1
TPSC226*020#0150	C	22	20	85	13	125	4.4	6	150	0.856	0.771	0.343	1
TPSC226*020#0400	C	22	20	85	13	125	4.4	6	400	0.524	0.472	0.210	1
TPSD226*020#0200	D	22	20	85	13	125	4.4	6	200	0.866	0.779	0.346	1[1)]
TPSD226*020#0300	D	22	20	85	13	125	4.4	6	300	0.707	0.636	0.283	1[1)]
TPSC336*020#0300	C	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[1)]
TPSD336*020#0200	D	33	20	85	13	125	6.6	6	200	0.866	0.779	0.346	1[1)]
TPSD476*020#0075	D	47	20	85	13	125	9.4	6	75	1.414	1.273	0.566	1[1)]
TPSD476*020#0100	D	47	20	85	13	125	9.4	6	100	1.225	1.102	0.490	1[1)]
TPSD476*020#0200	D	47	20	85	13	125	9.4	6	200	0.866	0.779	0.346	1[1)]
TPSE476*020#0070	E	47	20	85	13	125	9.4	6	70	1.535	1.382	0.614	1[1)]
TPSE476*020#0125	E	47	20	85	13	125	9.4	6	125	1.149	1.034	0.460	1[1)]
TPSE476*020#0150	E	47	20	85	13	125	9.4	6	150	1.049	0.944	0.420	1[1)]
TPSE476*020#0200	E	47	20	85	13	125	9.4	6	200	0.908	0.817	0.363	1[1)]
TPSE476*020#0250	E	47	20	85	13	125	9.4	6	250	0.812	0.731	0.325	1[1)]
TPSX476*020#0200	X	47	20	85	13	125	9.4	6	200	0.707	0.636	0.283	1[1)]
TPSD686*020#0070	D	68	20	85	13	125	13.6	6	70	1.464	1.317	0.586	1[1)]
TPSD686*020#0150	D	68	20	85	13	125	13.6	6	150	1.000	0.900	0.400	1[1)]
TPSD686*020#0200	D	68	20	85	13	125	13.6	6	200	0.866	0.779	0.346	1[1)]
TPSD686*020#0300	D	68	20	85	13	125	13.6	6	300	0.707	0.636	0.283	1[1)]
TPSE686*020#0125	E	68	20	85	13	125	13.6	6	125	1.149	1.034	0.460	1[1)]
TPSE686*020#0150	E	68	20	85	13	125	13.6	6	150	1.049	0.944	0.420	1[1)]
TPSE686*020#0200	E	68	20	85	13	125	13.6	6	200	0.908	0.817	0.363	1[1)]
TPSY686*020#0200	Y	68	20	85	13	125	13.6	6	200	0.791	0.712	0.316	1[1)]
TPSD107*020#0085	D	100	20	85	13	125	20	6	85	1.328	1.196	0.531	1[1)]
TPSD107*020#0100	D	100	20	85	13	125	20	6	100	1.225	1.102	0.490	1[1)]
TPSD107*020#0150	D	100	20	85	13	125	20	6	150	1.000	0.900	0.400	1[1)]
TPSE107*020#0100	E	100	20	85	13	125	20	6	100	1.285	1.156	0.514	1[1)]
TPSE107*020#0150	E	100	20	85	13	125	20	6	150	1.049	0.944	0.420	1[1)]
TPSE107*020#0200	E	100	20	85	13	125	20	6	200	0.908	0.817	0.363	1[1)]
TPSV107*020#0060	V	100	20	85	13	125	20	8	60	2.041	1.837	0.816	1[1)]
TPSV107*020#0085	V	100	20	85	13	125	20	8	85	1.715	1.543	0.686	1[1)]
TPSV107*020#0100	V	100	20	85	13	125	20	8	100	1.581	1.423	0.632	1[1)]
TPSV107*020#0200	V	100	20	85	13	125	20	8	200	1.118	1.006	0.447	1[1)]
TPSV157*020#0080	V	150	20	85	13	125	30	8	80	1.768	1.591	0.707	1[1)]
25 Volt @ 85°C													
TPSA474*025#7000	A	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	A	1	25	85	17	125	0.5	4	4000	0.137	0.123	0.055	1
TPSR105*025#2500	R	1	25	85	17	125	0.5	4	2500	0.148	0.133	0.059	1
TPSR105*025#4000	R	1	25	85	17	125	0.5	4	4000	0.117	0.106	0.047	1
TPSA155*025#3000	A	1.5	25	85	17	125	0.5	6	3000	0.158	0.142	0.063	1
TPSB155*025#1800	B	1.5	25	85	17	125	0.5	6	1800	0.217	0.196	0.087	1
TPSA225*025#2500	A	2.2	25	85	17	125	0.6	6	2500	0.173	0.156	0.069	1
TPSB225*025#0900	B	2.2	25	85	17	125	0.6	6	900	0.307	0.277	0.123	1
TPSB225*025#1200	B	2.2	25	85	17	125	0.6	6	1200	0.266	0.240	0.106	1
TPSB225*025#2500	B	2.2	25	85	17	125	0.6	6	2500	0.184	0.166	0.074	1
TPSA335*025#1000	A	3.3	25	85	17	125	0.8	6	1000	0.274	0.246	0.110	1
TPSA335*025#1500	A	3.3	25	85	17	125	0.8	6	1500	0.224	0.201	0.089	1
TPSB335*025#0750	B	3.3	25	85	17	125	0.8	6	750	0.337	0.303	0.135	1
TPSB335*025#1500	B	3.3	25	85	17	125	0.8	6	1500	0.238	0.214	0.095	1
TPSB335*025#2000	B	3.3	25	85	17	125	0.8	6	2000	0.206	0.186	0.082	1
TPSB475*025#0700	B	4.7	25	85	17	125	1.2	6	700	0.348	0.314	0.139	1
TPSB475*025#0900	B	4.7	25	85	17	125	1.2	6	900	0.307	0.277	0.123	1
TPSB475*025#1500	B	4.7	25	85	17	125	1.2	6	1500	0.238	0.214	0.095	1
TPSC475*025#0700	C	4.7	25	85	17	125	1.2	6	700	0.396	0.357	0.159	1
TPSB685*025#0700	B	6.8	25	85	17	125	1.7	6	700	0.348	0.314	0.139	1
TPSC685*025#0500	C	6.8	25	85	17	125	1.7	6	500	0.469	0.422	0.188	1
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	B	10	25	85	17	125	2.5	6	1800	0.217	0.196	0.087	1
TPSC106*025#0300	C	10	25	85	17	125	2.5	6	300	0.606	0.545	0.242	1
TPSC106*025#0500	C	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[1)]
TPSC156*025#0220	C	15	25	85	17	125	3.8	6	220	0.707	0.636	0.283	1
TPSC156*025#0300	C	15	25	85	17	125	3.8	6	300	0.606	0.545	0.242	1
TPSD156*025#0100	D	15	25	85	17	125	3.8	6	100	1.225	1.102	0.490	1[1)]
TPSD156*025#0300	D	15	25	85	17	125	3.8	6	300	0.707	0.636	0.283	1[1)]
TPSC226*025#0275	C	22	25	85	17	125	5.5	6	275	0.632	0.569	0.253	1
TPSC226*025#0400	C	22	25	85	17	125	5.5	6	400	0.524	0.472	0.210	1
TPSD226*025#0100	D	22	25	85	17	125	5.5	6	100	1.225	1.102	0.490	1[1)]

RATINGS & PART NUMBER REFERENCE

Part Number	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (mΩ)	100kHz RMS Current (A)			MSL
										25°C	85°C	125°C	
TPSD226*025#0200	D	22	25	85	17	125	5.5	6	200	0.866	0.779	0.346	1[1)]
TPSD226*025#0300	D	22	25	85	17	125	5.5	6	300	0.707	0.636	0.283	1[1)]
TPSF226*025#0300	F	22	25	85	17	125	5.5	6	300	0.577	0.520	0.231	1
TPSC336*025#0400	C	33	25	85	17	125	8.3	6	400	0.524	0.472	0.210	1
TPSD336*025#0100	D	33	25	85	17	125	8.3	6	100	1.225	1.102	0.490	1[1)]
TPSD336*025#0200	D	33	25	85	17	125	8.3	6	200	0.866	0.779	0.346	1[1)]
TPSD336*025#0300	D	33	25	85	17	125	8.3	6	300	0.707	0.636	0.283	1[1)]
TPSE336*025#0100	E	33	25	85	17	125	8.3	6	100	1.285	1.156	0.514	1[1)]
TPSE336*025#0175	E	33	25	85	17	125	8.3	6	175	0.971	0.874	0.388	1[1)]
TPSE336*025#0200	E	33	25	85	17	125	8.3	6	200	0.908	0.817	0.363	1[1)]
TPSE336*025#0300	E	33	25	85	17	125	8.3	6	300	0.742	0.667	0.297	1[1)]
TPSF336*025#0150	F	33	25	85	17	125	8.3	6	150	0.816	0.735	0.327	1[1)]
TPSF336*025#0200	F	33	25	85	17	125	8.3	6	200	0.707	0.636	0.283	1
TPSF336*025#0400	F	33	25	85	17	125	8.3	6	400	0.500	0.450	0.200	1
TPSY336*025#0200	Y	33	25	85	17	125	8.3	6	200	0.791	0.712	0.316	1[1)]
TPSD476*025#0125	D	47	25	85	17	125	11.8	6	125	1.095	0.986	0.438	1[1)]
TPSD476*025#0150	D	47	25	85	17	125	11.8	6	150	1.000	0.900	0.400	1[1)]
TPSD476*025#0250	D	47	25	85	17	125	11.8	6	250	0.775	0.697	0.310	1[1)]
TPSE476*025#0080	E	47	25	85	17	125	11.8	6	80	1.436	1.293	0.574	1[1)]
TPSE476*025#0100	E	47	25	85	17	125	11.8	6	100	1.285	1.156	0.514	1[1)]
TPSE476*025#0125	E	47	25	85	17	125	11.8	6	125	1.149	1.034	0.460	1[1)]
TPSY476*025#0250	Y	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[1)]
TPSD686*025#0200	D	68	25	85	17	125	17	6	200	0.866	0.779	0.346	1[1)]
TPSD686*025#0300	D	68	25	85	17	125	17	6	300	0.707	0.636	0.283	1[1)]
TPSE686*025#0125	E	68	25	85	17	125	17	6	125	1.149	1.034	0.460	1[1)]
TPSE686*025#0200	E	68	25	85	17	125	17	6	200	0.908	0.817	0.363	1[1)]
TPSV686*025#0080	V	68	25	85	17	125	17	6	80	1.768	1.591	0.707	1[1)]
TPSV686*025#0095	V	68	25	85	17	125	17	6	95	1.622	1.460	0.649	1[1)]
TPSV686*025#0150	V	68	25	85	17	125	17	6	150	1.291	1.162	0.516	1[1)]
TPSV686*025#0200	V	68	25	85	17	125	17	6	200	1.118	1.006	0.447	1[1)]
TPSE107*025#0150	E	100	25	85	17	125	25	10	150	1.049	0.944	0.420	1[1)]
TPSV107*025#0100	V	100	25	85	17	125	25	8	100	1.581	1.423	0.632	1[1)]
TPSV157M025#0150	V	150	25	85	17	125	37.5	10	150	1.291	1.162	0.516	1[1)]
35 Volt @ 85°C													
TPSA224*035#6000	A	0.22	35	85	23	125	0.5	4	6000	0.112	0.101	0.045	1
TPSA334*035#6000	A	0.33	35	85	23	125	0.5	4	6000	0.112	0.101	0.045	1
TPSA474*035#6000	A	0.47	35	85	23	125	0.5	4	6000	0.112	0.101	0.045	1
TPSB474*035#4000	B	0.47	35	85	23	125	0.5	4	4000	0.146	0.131	0.058	1
TPSA684*035#6000	A	0.68	35	85	23	125	0.5	4	6000	0.112	0.101	0.045	1
TPSA105*035#3000	A	1	35	85	23	125	0.5	4	3000	0.158	0.142	0.063	1
TPSB105*035#2000	B	1	35	85	23	125	0.5	4	2000	0.206	0.186	0.082	1
TPSA155*035#3000	A	1.5	35	85	23	125	0.5	6	3000	0.158	0.142	0.063	1
TPSB155*035#2500	B	1.5	35	85	23	125	0.5	6	2500	0.184	0.166	0.074	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	B	2.2	35	85	23	125	0.8	6	750	0.337	0.303	0.135	1
TPSB225*035#1500	B	2.2	35	85	23	125	0.8	6	1500	0.238	0.214	0.095	1
TPSB225*035#2000	B	2.2	35	85	23	125	0.8	6	2000	0.206	0.186	0.082	1
TPSC225*035#1000	C	2.2	35	85	23	125	0.8	6	1000	0.332	0.298	0.133	1
TPSB335*035#1000	B	3.3	35	85	23	125	1.2	6	1000	0.292	0.262	0.117	1
TPSC335*035#0700	C	3.3	35	85	23	125	1.2	6	700	0.396	0.357	0.159	1
TPSB475*035#0700	B	4.7	35	85	23	125	1.6	6	700	0.348	0.314	0.139	1
TPSB475*035#1500	B	4.7	35	85	23	125	1.6	6	1500	0.238	0.214	0.095	1
TPSC475*035#0600	C	4.7	35	85	23	125	1.6	6	600	0.428	0.385	0.171	1
TPSD475*035#0700	D	4.7	35	85	23	125	1.6	6	700	0.463	0.417	0.185	1[1)]
TPSC685*035#0350	C	6.8	35	85	23	125	2.4	6	350	0.561	0.505	0.224	1
TPSD685*035#0150	D	6.8	35	85	23	125	2.4	6	150	1.000	0.900	0.400	1[1)]
TPSD685*035#0400	D	6.8	35	85	23	125	2.4	6	400	0.612	0.551	0.245	1[1)]
TPSD685*035#0500	D	6.8	35	85	23	125	2.4	6	500	0.548	0.493	0.219	1[1)]
TPSC106*035#0600	C	10	35	85	23	125	3.5	6	600	0.428	0.385	0.171	1
TPSD106*035#0125	D	10	35	85	23	125	3.5	6	125	1.095	0.986	0.438	1[1)]
TPSD106*035#0300	D	10	35	85	23	125	3.5	6	300	0.707	0.636	0.283	1[1)]
TPSE106*035#0100V	E	10	35	85	23	125	3.5	6	100	1.285	1.156	0.514	3
TPSE106*035#0150V	E	10	35	85	23	125	3.5	6	150	1.049	0.944	0.420	3
TPSE106*035#0200	E	10	35	85	23	125	3.5	6	200	0.908	0.817	0.363	1[1)]
TPSY106*035#0250	Y	10	35	85	23	125	3.5	6	250	0.707	0.636	0.283	1[1)]
TPSC156*035#0350	C	15	35	85	23	125	5.3	6	350	0.561	0.505	0.224	1
TPSC156*035#0450	C	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[1)]
TPSD156*035#0300	D	15	35	85	23	125	5.3	6	300	0.707	0.636	0.283	1[1)]
TPSY156*035#0250	Y	15	35	85	23	125	5.3	6	250	0.707	0.636	0.283	1[1)]
TPSD226*035#0125	D	22	35	85	23	125	7.7	6	125	1.095	0.986	0.438	1[1)]
TPSD226*035#0200	D	22	35	85	23	125	7.7	6	200	0.866	0.779	0.346	1[1)]
TPSD226*035#0300	D	22	35	85	23	125	7.7	6	300	0.707	0.636	0.283	1[1)]
TPSD226*035#0400	D	22	35	85	23	125	7.7	6	400	0.612	0.551	0.245	1[1)]
TPSE226*035#0125	E	22	35	85	23	125	7.7	6	125	1.149	1.034	0.460	1[1)]
TPSE226*035#0200	E	22	35	85	23	125	7.7	6	200	0.908	0.817	0.363	1[1)]
TPSE226*035#0300	E	22	35	85	23	125	7.7	6	300	0.742	0.667	0.297	1[1)]
TPSY226*035#0200	Y	22	35	85	23	125	7.7	6	200	0.791	0.712	0.316	1[1)]
TPSD336*035#0200	D	33	35	85	23	125	11.6	6	200	0.866	0.779	0.346	1[1)]
TPSD336*035#0300	D	33	35	85	23	125	11.6	6	300	0.707	0.636	0.283	1[1)]

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

RATINGS & PART NUMBER REFERENCE

Part Number	Case Size	Capacitance (µF)	Rated Voltage (V)	Rated Temperature (°C)	Category Voltage (V)	Category Temperature (°C)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (mΩ)	100kHz RMS Current (A)			MSL
										25°C	85°C	125°C	
TPSE336*035#0100	E	33	35	85	23	125	11.6	6	100	1.285	1.156	0.514	1[1)]
TPSE336*035#0250	E	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	1[1)]
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	1[1)]
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	A	0.15	50	85	33	125	0.5	4	9000	0.091	0.082	0.037	1
TPSA224*050#7000	A	0.22	50	85	33	125	0.5	4	7000	0.104	0.093	0.041	1
TPSA334*050#7000	A	0.33	50	85	33	125	0.5	4	7000	0.104	0.093	0.041	1
TPSA474*050#6500	A	0.47	50	85	33	125	0.5	4	6500	0.107	0.097	0.043	1
TPSB474*050#6000	B	0.47	50	85	33	125	0.5	4	6000	0.119	0.107	0.048	1
TPSC474*050#2300	C	0.47	50	85	33	125	0.5	4	2300	0.219	0.197	0.087	1
TPSB684*050#4000	B	0.68	50	85	33	125	0.5	4	4000	0.146	0.131	0.058	1
TPSB105*050#3000	B	1	50	85	33	125	0.5	6	3000	0.168	0.151	0.067	1
TPSC105*050#2500	C	1	50	85	33	125	0.5	4	2500	0.210	0.189	0.084	1
TPSC155*050#1500	C	1.5	50	85	33	125	0.8	6	1500	0.271	0.244	0.108	1
TPSC155*050#2000	C	1.5	50	85	33	125	0.8	6	2000	0.235	0.211	0.094	1
TPSC225*050#1500	C	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	C	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	1[1)]
TPSC475*050#0800	C	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	1[1)]
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	X	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	1[1)]
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#0250	E	10	50	85	33	125	5	6	250	0.812	0.731	0.325	1[1)]
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.

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

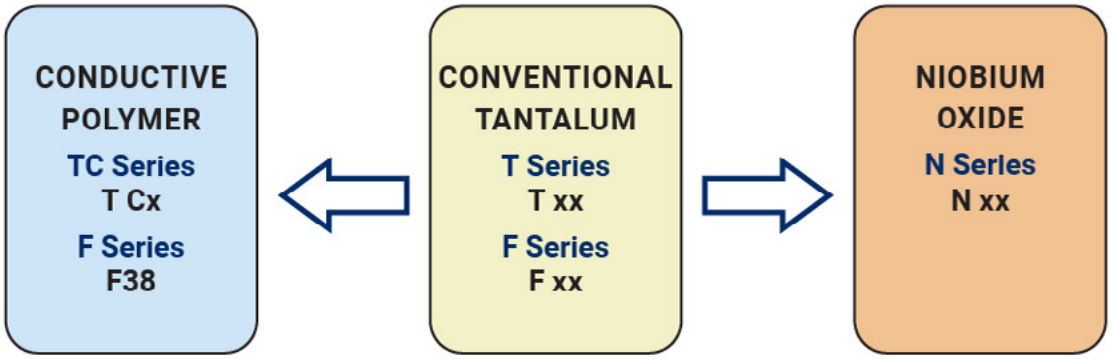
QUALIFICATION TABLE

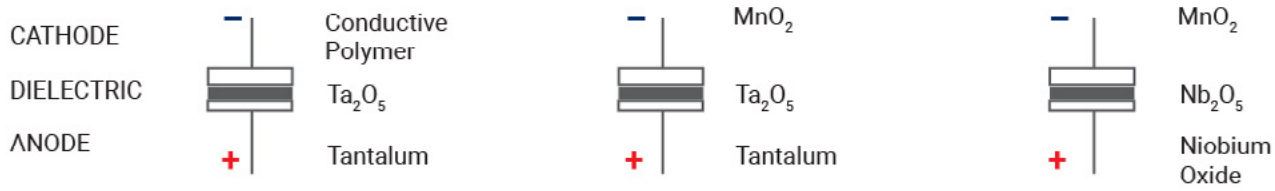
TEST	TPS series (Temperature range -55°C to +125°C)									
	Condition			Characteristics						
Endurance	Apply rated voltage (Ur) at 85°C and / or category voltage (Uc) at 125°C for 2000 hours through a circuit impedance of ≤0.1Ω/V. Stabilize at room temperature for 1-2 hours before measuring.			Visual examination	no visible damage					
				DCL	1.5 x initial limit					
				ΔC/C	within ±10% of initial value					
				DF	initial limit					
				ESR	1.25 x initial limit					
Humidity	Store at 65°C and 95% relative humidity for 500 hours, with no applied voltage. Stabilize at room temperature and humidity for 1-2 hours before measuring.			Visual examination	no visible damage					
				DCL	1.5 x initial limit					
				ΔC/C	within ±10% of initial value					
				DF	1.2 x initial limit					
				ESR	1.25 x initial limit					
Temperature Stability	Step	Temperature°C	Duration(min)		+20°C	-55°C	+20°C	+85°C	+125°C	+20°C
	1	+20	15	DCL	IL*	n/a	IL*	10 x IL*	12.5 x IL*	IL*
	2	-55	15	ΔC/C	n/a	+0/-10%	±5%	+10/-0%	+12/-0%	±5%
	3	+20	15	DF	IL*	1.5 x IL*	IL*	1.5 x IL*	2 x IL*	IL*
	4	+85	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*
	5	+125	15							
	6	+20	15							
Surge Voltage	Apply 1.3x category voltage (Uc) at 125°C for 1000 cycles of duration 6 min (30 sec charge, 5 min 30 sec discharge) through a charge / discharge resistance of 1000Ω			Visual examination	no visible damage					
				DCL	initial limit					
				ΔC/C	within ±5% of initial value					
				DF	initial limit					
				ESR	1.25 x initial limit					
Mechanical Shock	MIL-STD-202, Method 213, Condition C			Visual examination	no visible damage					
				DCL	initial limit					
				ΔC/C	within ±5% of initial value					
				DF	initial limit					
				ESR	initial limit					
Vibration	MIL-STD-202, Method 204, Condition D			Visual examination	no visible damage					
				DCL	initial limit					
				ΔC/C	within ±5% of initial value					
				DF	initial limit					
				ESR	initial limit					

*Initial Limit

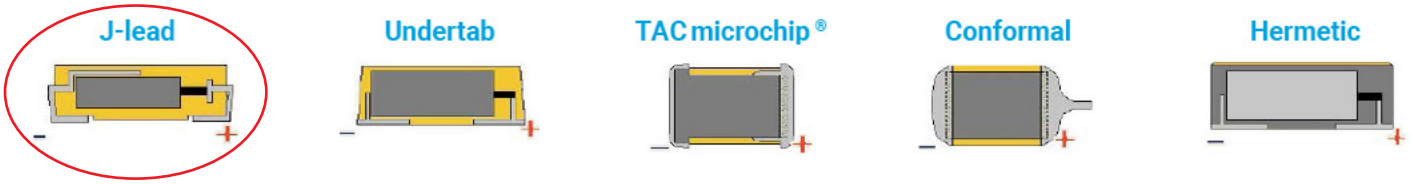
The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

SOLID ELECTROLYTIC CAPACITOR ROADMAP

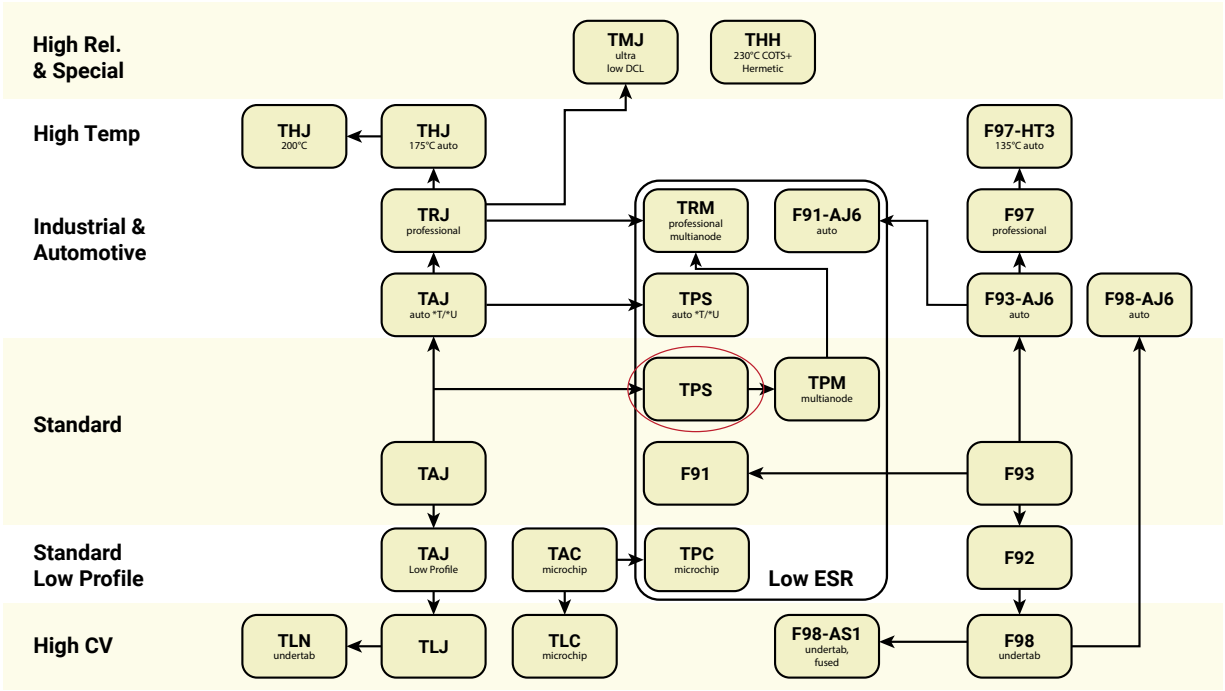




FIVE CAPACITOR CONSTRUCTION STYLES



SERIES LINE UP : CONVENTIONAL SMD MnO_2



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

Mouser Electronics

Authorized Distributor

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

Kyocera AVX:

TPSE226M035R0300 TPSE227K010R0050 TPSE227K010R0100 TPSE227M010R0050 TPSE336K025R0300
TPSE336M035R0100 TPSE337K010R0050 TPSE337M010R0050 TPSE337M010R0100 TPSE476K035R0250
TPSE477K006R0045 TPSE477K010R0045 TPSE477K010R0100 TPSE477M010R0045 TPSE477M010R0100
TPSE686K025R0200 TPSE686M020R0125 TPSE686M020R0150 TPSE686M025R0125 TPSV227M016R0050
TPSV227M016R0075 TPSV337M010R0100 TPSV687K006R0035 TPSW336K016R0175 TPSW476K010R0125
TPSW476K010R0150 TPSW686K006R0125 TPSY157K010R0100 TPSY686K016R0200 TPSD107M020R0085
TPSD156K035R0100 TPSD156M025R0100 TPSD156M035R0300 TPSD157K006R0050 TPSD157K010R0085
TPSD157M006R0050 TPSD157M016R0100 TPSD157M016R0125 TPSD157M016R0150 TPSD226K025R0100
TPSD226M025R0100 TPSD227K010R0150 TPSD227M010R0050 TPSD336K035R0300 TPSD336M025R0300
TPSD336M035R0300 TPSD337K006R0045 TPSD337K010R0100 TPSD337K010R0150 TPSD475M050R0700
TPSD686M010R0100 TPSD686M016R0070 TPSE106K050R0400 TPSE107K016R0100 TPSE107K016R0150
TPSE107K020R0150 TPSE107M016R0055 TPSE226K035R0300 TPSA105K035R3000 TPSA105M035R3000
TPSA106K010R0900 TPSA106K010R1800 TPSA226M010R0900 TPSA335M016R3500 TPSA475K020R1800
TPSA476M004R0500 TPSA684K035R6000 TPSB106M016R0800 TPSB106M020R1000 TPSB156K016R0800
TPSB225K025R2500 TPSB225K035R2000 TPSB226K016R0600 TPSB226M016R0600 TPSB476K010R0650
TPSB476M010R0500 TPSC107K006R0150 TPSC107M010R0100 TPSC226K016R0375 TPSC227K006R0070
TPSC227M006R0250 TPSC335M035R0700 TPSC336M016R0300 TPSC475M035R0600 TPSC476K016R0350
TPSC476M010R0350 TPSC685M025R0600 TPSD106M035R0125 TPSD107K016R0125 TPSD107M010R0050
TPSD107M010R0080 TPSD107M010R0100 TPSD107M016R0060 TPSA156M006R1500 TPSA225K010R1800
TPSA225K016R1800 TPSA225M010R1800 TPSA335M020R2500 TPSA336K006R0600 TPSA475M020R1800