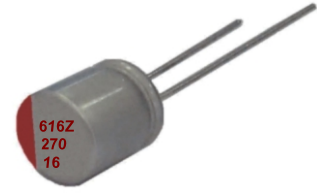


PZ series

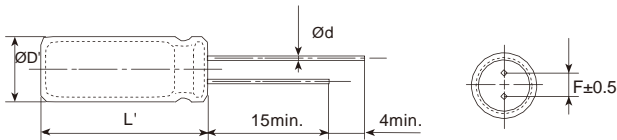
- Endurance: +105°C 2,000 hours
- Low ESR
- Recommended Applications: System Board, Display Card, Small Charger and intelligent TV
- RoHS Compliant and lead-free



SPECIFICATIONS

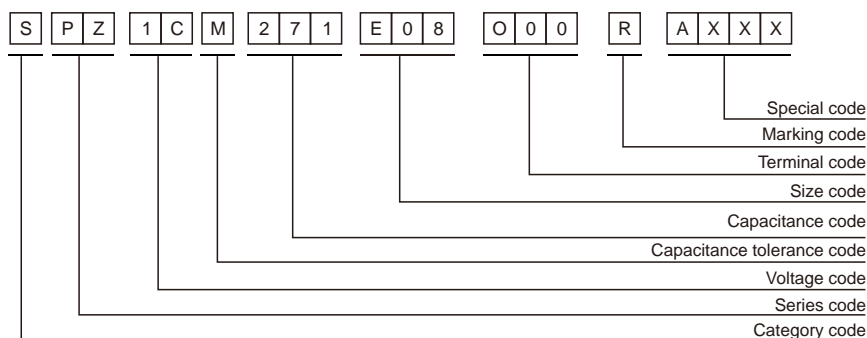
Items	Characteristics											
Category Temperature Range	-55~+105°C											
Rated Working Voltage Range	6.3~100 V _{dc}											
Nominal Capacitance Range	4.7~5600μF											
Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)											
DC Leakage Current	I 0.2CV or 500μA, whichever is greater. Where, I:Max.leakage current (μA), C:Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)											
Dissipation Factor (tan δ)	Rated Voltage(V _{dc})	6.3	6.8	7.5	10	16	25	35	50	63	100	
	tan δ (max.)	0.08						0.12		0.15		(at 20°C, 120Hz)
ESR(100kHz, 20°C)	Value in characteristics table											
Temperature Characteristic (Impedance Ratio at 100kHz)	Z(+105°C)/Z(+20°C) 1.25 Z(-55°C)/Z(+20°C) 1.25											
Endurance	After applying rated voltage for 2,000 hours at 105°C, the capacitors shall meet the following requirements.											
	Appearance	No significant damage										
	Capacitance Change	±20% of the initial value										
	D.F. (tan δ)	150% of the initial specified value										
	ESR	150% of the initial specified value										
Humidity Test	After subjecting to 90%~95% RH for 2,000 hours at 60°C without voltage applied, the capacitors shall meet the specified values for the Endurance characteristics listed above.											
	Surge Test	After subjecting to 1,000 cycles each consisting of charge with the surge voltage specified at normal temperature for 30 seconds through a protective resistor and discharge for 5 minutes 30 seconds, the capacitors shall meet the following requirements.										
		Appearance	No significant damage									
		Capacitance Change	±20% of the initial value									
		D.F. (tan δ)	150% of the initial specified value									
ESR		150% of the initial specified value										
Leakage Current	The initial specified value											

DIMENSIONS[mm]



∅D	5	5.5	6.3	8	10
∅d	0.5	0.5	0.5	0.6	0.6
F	2.0	2.5	2.5	3.5	5.0
∅D'	∅D-0.1~+0.5				
L'	L+1.0max.			L-0.5~+1	

PART NUMBERING SYSTEM



PZ series

■ STANDARD RATINGS

VDC (SV)	Cap (μF)	Size DxL(mm)	ESR (mΩ, 20°C, 100kHz) (max.)	Rated ripple current (mArms/105°C, 100kHz)	Leakage Current (μA)(max.)	Part Number	
6.3 (7.2)	100	5x7	30	1800	500	SPZ0JM101D07O00RAXXX	
	220	5x7	20	3500	500	SPZ0JM221D07O00RAXXX	
	270	6.3x7	20	3900	500	SPZ0JM221E07O00RAXXX	
		5x7	20	3800	500	SPZ0JM271D07O00RAXXX	
	330	5x8	20	4000	500	SPZ0JM331D08O00RAXXX	
		6.3x5	25	3160	500	SPZ0JM331E05O00RAXXX	
	390	6.3x8	15	4000	500	SPZ0JM331E08O00RAXXX	
		5x9	20	4100	500	SPZ0JM391D09O00RAXXX	
	470	5x10	20	4300	592	SPZ0JM471D10O00RAXXX	
		5.5x9	20	4100	592	SPZ0JM471B09O00RAXXX	
		6.3x7	20	3900	592	SPZ0JM471E07O00RAXXX	
	500	6.3x8	15	4400	592	SPZ0JM471E08O00RAXXX	
		5x9	20	4100	630	SPZ0JM501D09O00RAXXX	
		6.3x7	20	4200	706	SPZ0JM561E07O00RAXXX	
	560	6.3x8	20	4800	706	SPZ0JM561E08O00RAXXX	
		5.5x9	20	4300	706	SPZ0JM561B09O00RAXXX	
	680	6.3x9	20	5080	857	SPZ0JM681E09O00RAXXX	
		5.5x9	20	4800	857	SPZ0JM681B09O00RAXXX	
		8x9	20	4600	857	SPZ0JM681F09O00RAXXX	
	820	5.5x12	20	5000	1033	SPZ0JM821B12O00RAXXX	
		6.3x9	20	5080	1033	SPZ0JM821E09O00RAXXX	
		8x9	15	4700	1033	SPZ0JM821F09O00RAXXX	
	1000	6.3x10	10	5150	1260	SPZ0JM102E10O00RAXXX	
		8x9	12	4800	1260	SPZ0JM102F09O00RAXXX	
		8x11	10	5200	1260	SPZ0JM102F11O00RAXXX	
	1200	6.3x11	10	5200	1512	SPZ0JM122E11O00RAXXX	
		8x11	10	5300	1512	SPZ0JM122F11O00RAXXX	
	1500	8x11	10	5400	1890	SPZ0JM152F11O00RAXXX	
1800	10x12	10	5500	1890	SPZ0JM152G12O00RAXXX		
2200	10x10	10	5560	2268	SPZ0JM182G10O00RAXXX		
3300	8x14	10	5700	2772	SPZ0JM222F14O00RAXXX		
4700	10x12	10	5800	2772	SPZ0JM222G12O00RAXXX		
5600	10x14	10	5900	4158	SPZ0JM332G14O00RAXXX		
6.8 (7.8)	220	5x7	20	3300	500	SPZ0CM221D07O00RAXXX	
	270	5x7	20	3600	500	SPZ0CM271D07O00RAXXX	
	330	6.3x8	20	3900	500	SPZ0CM271E08O00RAXXX	
		5x8	20	3800	500	SPZ0CM331D08O00RAXXX	
	390	6.3x5	25	3100	500	SPZ0CM331E05O00RAXXX	
		6.3x7	20	3400	500	SPZ0CM331E07O00RAXXX	
	470	5x9	20	3900	530	SPZ0CM391D09O00RAXXX	
		5x9	20	4100	639	SPZ0CM471D09O00RAXXX	
	560	6.3x7	20	3700	639	SPZ0CM471E07O00RAXXX	
		6.3x8	20	4500	762	SPZ0CM561E08O00RAXXX	
	680	6.3x9	20	4800	925	SPZ0CM681E09O00RAXXX	
	820	6.3x9	20	4900	1115	SPZ0CM821E09O00RAXXX	
		6.3x11	12	5100	1360	SPZ0CM102E11O00RAXXX	
	1000	8x11	10	5150	1360	SPZ0CM102F11O00RAXXX	
	7 (8.1)	150	5x6	30	1500	500	SPZ0QM151D06O00RAXXX
		220	5x7	20	3200	500	SPZ0QM221D07O00RAXXX
		270	5x8	20	3400	500	SPZ0QM271D08O00RAXXX
		330	5x9	20	3600	500	SPZ0QM331D09O00RAXXX
		470	6.3x8	20	3800	658	SPZ0QM471E08O00RAXXX
			5.5x9	20	3600	658	SPZ0QM471B09O00RAXXX
		560	6.3x8	20	4000	784	SPZ0QM561E08O00RAXXX
		680	6.3x9	12	4200	952	SPZ0QM681E09O00RAXXX
	820	6.3x10	12	4500	1148	SPZ0QM821E10O00RAXXX	
		8x9	12	4600	1148	SPZ0QM821F09O00RAXXX	
		220	5x7	20	3100	500	SPZ0AM221D07O00RAXXX
	7.5 (8.6)	270	5x8	20	3300	500	SPZ0AM271D08O00RAXXX
		330	5x8	20	3500	500	SPZ0AM331D08O00RAXXX
		390	5x9	20	3500	585	SPZ0AM391D09O00RAXXX
6.3x7			25	3200	705	SPZ0AM471E07O00RAXXX	
470		5.5x9	20	3550	705	SPZ0AM471B09O00RAXXX	
		5x9	20	3550	705	SPZ0AM471D09O00RAXXX	
		5.5x8	25	3100	705	SPZ0AM471B08O00RAXXX	
500		5.5x9	20	3600	750	SPZ0AM501B09O00RAXXX	
560		6.3x8	20	3900	840	SPZ0AM561E08O00RAXXX	
680		6.3x9	12	4100	1020	SPZ0AM681E09O00RAXXX	
820		6.3x10	12	4400	1230	SPZ0AM821E10O00RAXXX	
		8x9	12	4550	1230	SPZ0AM821F09O00RAXXX	
10 (11.5)		1000	8x11	12	4700	1500	SPZ0AM102F11O00RAXXX
		1200	6.3x11	12	4500	1500	SPZ0AM102E11O00RAXXX
		1500	8x11	12	4800	1800	SPZ0AM122F11O00RAXXX
		1800	8x11	12	4900	2250	SPZ0AM152F11O00RAXXX
		2200	6.8x13	12	4800	2250	SPZ0AM152Q13O00RAXXX
		47	8x14	12	5100	2700	SPZ0AM182F14O00RAXXX
		56	10x12	12	5700	3300	SPZ0AM222G12O00RAXXX
		57	5x7	35	2200	500	SPZ1AM470D07O00RAXXX
68		5x7	35	2250	500	SPZ1AM560D07O00RAXXX	
82		5x7	35	2300	500	SPZ1AM680D07O00RAXXX	
100		5x7	35	2350	500	SPZ1AM820D07O00RAXXX	
		5x7	35	2400	500	SPZ1AM101D07O00RAXXX	
		6.3x5	30	2300	500	SPZ1AM101E05O00RAXXX	
120		5x7	20	2450	500	SPZ1AM121D07O00RAXXX	

Conductive Polymer Radial Type

PZ series

■ STANDARD RATINGS

VDC (SV)	Cap (μF)	Size DxL(mm)	ESR (mΩ, 20°C, 100kHz) (max.)	Rated ripple current (mArms/105°C, 100kHz)	Leakage Current (μA)(max.)	Part Number
10 (11.5)	150	5x7	20	2500	500	SPZ1AM151D07000RAXXX
	180	6.3x7	20	2800	500	SPZ1AM181E07000RAXXX
		5x8	20	2700	500	SPZ1AM181D08000RAXXX
	220	5x9	20	2820	500	SPZ1AM221D09000RAXXX
		6.3x5	25	2800	500	SPZ1AM221E05000RAXXX
	270	6.3x8	15	3160	500	SPZ1AM221E08000RAXXX
		6.3x8	20	3100	540	SPZ1AM271E08000RAXXX
	330	6.3x8	20	3300	660	SPZ1AM331E08000RAXXX
		8x9	15	3400	660	SPZ1AM331F09000RAXXX
	390	6.3x10	12	3500	660	SPZ1AM331E10000RAXXX
		6.3x8	20	3400	780	SPZ1AM391E08000RAXXX
	470	5.5x9	20	3400	940	SPZ1AM471B09000RAXXX
		6.3x8	20	3500	940	SPZ1AM471E08000RAXXX
	560	8x9	15	3550	940	SPZ1AM471F09000RAXXX
		8x11	12	5650	940	SPZ1AM471F11000RAXXX
	680	6.3x10	13	3600	1120	SPZ1AM561E10000RAXXX
		8x9	15	3600	1120	SPZ1AM561F09000RAXXX
	820	8x11	12	3900	1360	SPZ1AM681F11000RAXXX
		8x8	20	3300	1360	SPZ1AM681F08000RAXXX
	1000	8x11	12	4000	1640	SPZ1AM821F11000RAXXX
		10x12	10	4200	2000	SPZ1AM102F11000RAXXX
1200	8x12	10	5300	2000	SPZ1AM102G12000RAXXX	
	10x12	10	4500	2400	SPZ1AM122F12000RAXXX	
1500	10x12	10	5450	2400	SPZ1AM122G12000RAXXX	
	8x14	10	5500	3000	SPZ1AM152G12000RAXXX	
1800	10x13	10	4800	3000	SPZ1AM152F14000RAXXX	
	10x15	10	5800	3600	SPZ1AM182G13000RAXXX	
2200	10x15	10	6100	4400	SPZ1AM222G15000RAXXX	
	10x18	10	6200	5000	SPZ1AM332G18000RAXXX	
12 (13.8)	330	5.5x9	20	3100	792	SPZ1TM331B09000RAXXX
		6.3x8	20	3100	792	SPZ1TM331E08000RAXXX
	470	5.5x9	20	3200	1128	SPZ1TM471B09000RAXXX
		6.3x9	20	3450	1128	SPZ1TM471E09000RAXXX
	560	6.3x10	15	3400	1344	SPZ1TM561E10000RAXXX
		6.3x11	15	3600	1632	SPZ1TM681E11000RAXXX
	680	8x10	15	3700	1632	SPZ1TM681F10000RAXXX
		8x11	12	3800	1968	SPZ1TM821F11000RAXXX
	1000	8x12	12	4000	2400	SPZ1TM102F12000RAXXX
	1200	8x14	12	4400	2880	SPZ1TM122F14000RAXXX
8x16		12	4800	3600	SPZ1TM152F16000RAXXX	
16 (18.4)	22	5x9	80	1600	500	SPZ1CM220D09000RAXXX
	47	5x7	20	2050	500	SPZ1CM470D07000RAXXX
	56	5x7	20	2100	500	SPZ1CM560D07000RAXXX
	68	5x7	20	2150	500	SPZ1CM680D07000RAXXX
	82	5x8	20	2200	500	SPZ1CM820D08000RAXXX
		5x7	20	2250	500	SPZ1CM101D07000RAXXX
	100	6.3x5	25	2100	500	SPZ1CM101E05000RAXXX
		6.3x8	20	2800	500	SPZ1CM101E08000RAXXX
	120	5x8	20	2350	500	SPZ1CM121D08000RAXXX
	150	5x8	20	2400	500	SPZ1CM151D08000RAXXX
		5x8	20	2450	576	SPZ1CM181D08000RAXXX
	180	6.3x7	16	2500	576	SPZ1CM181E07000RAXXX
		5x10	20	2600	704	SPZ1CM221D10000RAXXX
	220	6.3x8	20	2700	704	SPZ1CM221E08000RAXXX
		6.3x10	15	2900	704	SPZ1CM221E10000RAXXX
	270	5.5x9	20	2750	864	SPZ1CM271B09000RAXXX
		6.3x8	20	2800	864	SPZ1CM271E08000RAXXX
	330	8x9	20	2900	864	SPZ1CM271F09000RAXXX
		5.5x9	20	2900	1056	SPZ1CM331B09000RAXXX
	390	6.3x9	20	2900	1056	SPZ1CM331E09000RAXXX
		6.3x10	15	3100	1056	SPZ1CM331E10000RAXXX
	470	5.5x11	20	3100	1504	SPZ1CM471B11000RAXXX
		6.3x11	15	3200	1504	SPZ1CM471E11000RAXXX
	560	8x11	11	4600	1504	SPZ1CM471F11000RAXXX
		8x9	13	4100	1504	SPZ1CM471F09000RAXXX
	560	8x11	11	3200	1792	SPZ1CM561F11000RAXXX
		8x13	15	3300	1792	SPZ1CM561F13000RAXXX
	680	10x12	11	3500	1792	SPZ1CM561G12000RAXXX
		8x11	15	3400	2176	SPZ1CM681F11000RAXXX
	820	10x12	11	3600	2176	SPZ1CM681G12000RAXXX
		8x13	11	3500	2624	SPZ1CM821F13000RAXXX
	1000	10x12	11	3800	2624	SPZ1CM821G12000RAXXX
		10x12	11	4000	3200	SPZ1CM102G12000RAXXX
1200	8x14	11	3600	3200	SPZ1CM102F14000RAXXX	
	10x15	12	4300	3840	SPZ1CM122G15000RAXXX	
1500	10x12	12	4200	3840	SPZ1CM122G12000RAXXX	
	10x12	12	4800	4800	SPZ1CM152G12000RAXXX	
1800	10x18	12	5500	4800	SPZ1CM152G18000RAXXX	
	10x14	12	5400	5000	SPZ1CM182G14000RAXXX	
2200	10x17	12	5800	5000	SPZ1CM222G17000RAXXX	
	10x15	12	5500	5000	SPZ1CM222G15000RAXXX	
20 (23.0)	120	6.3x8	30	2300	500	SPZ1DM121E08000RAXXX
	150	6.3x10	20	2350	600	SPZ1DM151E10000RAXXX
	220	8x11	20	2550	880	SPZ1DM221F11000RAXXX
	270	8x11	20	2700	1080	SPZ1DM271F11000RAXXX
		8x11	20	2800	1320	SPZ1DM331F11000RAXXX
	330	6.3x10	20	2100	1320	SPZ1DM331E10000RAXXX
		10x12	20	2900	1880	SPZ1DM471G12000RAXXX
470	8x16	20	3000	1880	SPZ1DM471F16000RAXXX	
	8x11	20	2400	1880	SPZ1DM471F11000RAXXX	

PZ series

■ STANDARD RATINGS

VDC (SV)	Cap (μF)	Size DxDL(mm)	ESR (mΩ, 20°C, 100kHz) (max.)	Rated ripple current (mA rms/105°C, 100kHz)	Leakage Current (μA)(max.)	Part Number	
20 (23.0)	560	10x12	20	3100	2240	SPZ1DM561G12O00RAXXX	
		8x16	20	3200	2240	SPZ1DM561F16O00RAXXX	
	680	10x15	20	3300	2720	SPZ1DM681G15O00RAXXX	
		8x14	20	2700	2720	SPZ1DM681F14O00RAXXX	
	820	10x18	20	3400	3280	SPZ1DM821G18O00RAXXX	
1000	10x18	20	3900	4000	SPZ1DM102G18O00RAXXX		
25 (28.8)	6.8	6.3x5	100	1100	500	SPZ1EM6R8E05O00RAXXX	
		5x8	70	1800	500	SPZ1EM100D08O00RAXXX	
	10	5x9	60	1810	500	SPZ1EM220D09O00RAXXX	
		5x9	50	1850	500	SPZ1EM330D09O00RAXXX	
	33	5x8	60	1900	500	SPZ1EM390D08O00RAXXX	
		5x9	60	1950	500	SPZ1EM470D09O00RAXXX	
	39	5x9	60	2050	500	SPZ1EM560D09O00RAXXX	
		6.3x7	30	2100	500	SPZ1EM680E07O00RAXXX	
	68	6.3x7	30	2150	500	SPZ1EM820E07O00RAXXX	
		6.3x8	30	2500	500	SPZ1EM101E08O00RAXXX	
	82	6.3x10	20	2800	500	SPZ1EM101E10O00RAXXX	
		8x11	20	3000	500	SPZ1EM101F11O00RAXXX	
	120	6.3x8	30	2500	600	SPZ1EM121E08O00RAXXX	
		6.3x10	20	2800	750	SPZ1EM151E10O00RAXXX	
	150	6.3x10	20	2800	900	SPZ1EM181E10O00RAXXX	
		8x9	30	2500	900	SPZ1EM181F09O00RAXXX	
	180	8x11	20	3000	1100	SPZ1EM221F11O00RAXXX	
		10x12	20	3500	1100	SPZ1EM221G12O00RAXXX	
	220	5.5x11	20	1900	1100	SPZ1EM221B11O00RAXXX	
		8x11	20	3000	1350	SPZ1EM271F11O00RAXXX	
	270	8x11	20	3100	1650	SPZ1EM331F11O00RAXXX	
		10x12	20	3800	1650	SPZ1EM331G12O00RAXXX	
	330	10x10	25	2800	1650	SPZ1EM331G10O00RAXXX	
		10x12	20	4000	2350	SPZ1EM471G12O00RAXXX	
	470	8x16	20	3400	2350	SPZ1EM471F16O00RAXXX	
		8x11	20	3000	2350	SPZ1EM471F11O00RAXXX	
	560	10x10	25	2800	2350	SPZ1EM471G10O00RAXXX	
		10x12	20	4000	2800	SPZ1EM561G12O00RAXXX	
	680	8x12	20	3100	2800	SPZ1EM561F12O00RAXXX	
		10x15	20	4300	3400	SPZ1EM681G15O00RAXXX	
	820	10x12	20	4100	3400	SPZ1EM681G12O00RAXXX	
		8x14	20	3400	3400	SPZ1EM681F14O00RAXXX	
	1000	10x18	20	4500	4100	SPZ1EM821G18O00RAXXX	
		8x16	20	4100	4100	SPZ1EM821F16O00RAXXX	
		10x18	20	4500	5000	SPZ1EM102G18O00RAXXX	
35 (40.3)	4.7	5x8	60	1700	500	SPZ1VM4R7D08O00RAXXX	
		5x8	60	1800	500	SPZ1VM100D08O00RAXXX	
	10	5x8	60	1850	500	SPZ1VM150D08O00RAXXX	
		5x9	100	1950	500	SPZ1VM220D09O00RAXXX	
	15	5x9	50	2000	500	SPZ1VM330D09O00RAXXX	
		5x9	50	2050	500	SPZ1VM390D09O00RAXXX	
	22	6.3x7	50	2100	500	SPZ1VM470E07O00RAXXX	
		6.3x7	50	2150	500	SPZ1VM560E07O00RAXXX	
	33	6.3x7	50	2200	500	SPZ1VM680E07O00RAXXX	
		6.3x7	50	2250	574	SPZ1VM820E07O00RAXXX	
	39	6.3x8	50	2350	700	SPZ1VM101E08O00RAXXX	
		6.3x10	40	2400	700	SPZ1VM101E10O00RAXXX	
	47	8x11	40	2600	700	SPZ1VM101F11O00RAXXX	
		6.3x10	40	2500	840	SPZ1VM121E10O00RAXXX	
	56	6.3x10	40	2550	1050	SPZ1VM151E10O00RAXXX	
		6.3x11	40	2600	1260	SPZ1VM181E11O00RAXXX	
	68	8x11	40	2800	1540	SPZ1VM221F11O00RAXXX	
		10x12	30	2900	1540	SPZ1VM221G12O00RAXXX	
	82	6.3x11	40	2600	1540	SPZ1VM221E11O00RAXXX	
		10x12	30	3000	1890	SPZ1VM271G12O00RAXXX	
	100	10x12	30	3100	2310	SPZ1VM331G12O00RAXXX	
		10x13	20	3200	3290	SPZ1VM471G13O00RAXXX	
	150	10x14	20	3300	3920	SPZ1VM561G14O00RAXXX	
		10x16	20	3400	4760	SPZ1VM681G16O00RAXXX	
	220	10x18	20	3500	5000	SPZ1VM821G18O00RAXXX	
		10x18	20	3700	5000	SPZ1VM102G18O00RAXXX	
	50 (57.5)	4.7	5x8	60	1600	500	SPZ1HM4R7D08O00RAXXX
			6.3x7	35	1850	500	SPZ1HM100E07O00RAXXX
		10	5x8	70	1630	500	SPZ1HM100D08O00RAXXX
			5x8	70	1660	500	SPZ1HM150D08O00RAXXX
		15	6.3x7	40	1900	500	SPZ1HM220E07O00RAXXX
			6.3x7	40	2000	500	SPZ1HM330E07O00RAXXX
		22	6.3x8	35	2100	500	SPZ1HM470E08O00RAXXX
			6.3x8	35	2120	560	SPZ1HM560E08O00RAXXX
		33	6.3x10	30	2150	680	SPZ1HM680E10O00RAXXX
8x11			30	2300	1000	SPZ1HM101F11O00RAXXX	
39		8x9	40	2100	1000	SPZ1HM101F09O00RAXXX	
		8x11	30	2400	1200	SPZ1HM121F11O00RAXXX	
47		10x12	30	2500	1500	SPZ1HM151G12O00RAXXX	
		10x12	30	2600	1800	SPZ1HM181G12O00RAXXX	
68		10x12	30	2700	2200	SPZ1HM221G12O00RAXXX	
		10x13	20	2900	2700	SPZ1HM271G13O00RAXXX	
82		10x15	20	3000	3300	SPZ1HM331G15O00RAXXX	
		10x18	20	3100	4400	SPZ1HM441G18O00RAXXX	
100		10x18	20	3150	4700	SPZ1HM471G18O00RAXXX	
		6.3x8	60	1600	500	SPZ1JM4R7E08O00RAXXX	

Conductive Polymer Radial Type

PZ series

■ STANDARD RATINGS

VDC (SV)	Cap (μF)	Size DxL(mm)	ESR (mΩ, 20°C, 100kHz) (max.)	Rated ripple current (mA rms/105°C, 100kHz)	Leakage Current (μA)(max.)	Part Number
63 (72.5)	6.8	6.3x8	60	1650	500	SPZ1JM6R8E08O00RAXXX
	10	6.3x5	60	1600	500	SPZ1JM100E05O00RAXXX
	33	6.3x8	30	1700	500	SPZ1JM330E08O00RAXXX
	39	6.3x8	30	1750	500	SPZ1JM390E08O00RAXXX
	47	6.3x9	30	1900	592	SPZ1JM470E09O00RAXXX
	56	8x9	30	1800	706	SPZ1JM560F09O00RAXXX
	68	8x11	30	2000	857	SPZ1JM680F11O00RAXXX
	82	8x11	30	2100	1033	SPZ1JM820F11O00RAXXX
	100	10x12	30	2200	1260	SPZ1JM101G12O00RAXXX
	150	10x12	30	2500	1890	SPZ1JM151G12O00RAXXX
	180	10x13	20	2600	2268	SPZ1JM181G13O00RAXXX
	220	10x15	20	2650	2772	SPZ1JM221G15O00RAXXX
	270	10x17	20	2850	3402	SPZ1JM271G17O00RAXXX
	330	10x18	20	2950	4158	SPZ1JM331G18O00RAXXX
	80 (92.0)	4.7	6.3x8	60	1500	500
6.8		6.3x8	60	1550	500	SPZ1BM6R8E08O00RAXXX
22		6.3x10	60	1650	500	SPZ1BM220E10O00RAXXX
33		8x11	35	1700	528	SPZ1BM330F11O00RAXXX
47		10x12	35	1850	752	SPZ1BM470G12O00RAXXX
68		10x12	35	1900	1088	SPZ1BM680G12O00RAXXX
100		10x14	35	2100	1600	SPZ1BM101G14O00RAXXX
100 (115.0)	4.7	6.3x8	120	1400	500	SPZ1KM4R7E08O00RAXXX
	6.8	6.3x8	120	1450	500	SPZ1KM6R8E08O00RAXXX
	10	6.3x10	50	1500	500	SPZ1KM100E10O00RAXXX
	15	8x11	50	1550	500	SPZ1KM100F11O00RAXXX
	22	8x11	35	1550	500	SPZ1KM150F11O00RAXXX
	33	10x12	35	1600	500	SPZ1KM220G12O00RAXXX
	47	10x14	35	1650	660	SPZ1KM330G14O00RAXXX
	68	10x16	35	1800	940	SPZ1KM470G16O00RAXXX

Specifications subject to change without notice.