

PZ series

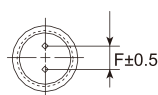
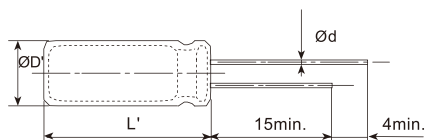
- Endurance: +105°C 2,000 hours
- Low ESR
- Recommended Applications: System Board, Display Card, Small Charger and intelligent TV
- RoHS Compliant and lead-free



SPECIFICATIONS

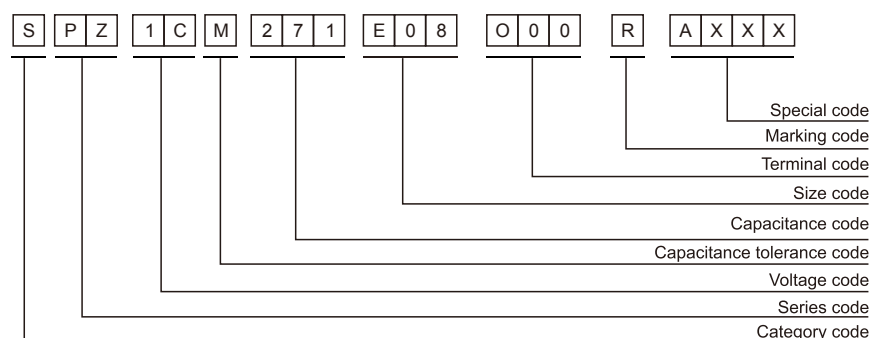
Items	Characteristics											
Category Temperature Range	-55~+105°C											
Rated Working Voltage Range	6.3~100 V _{dc}											
Nominal Capacitance Range	4.7~5600μF											
Capacitance Tolerance	±20%(M) (at 20°C,120Hz)											
DC Leakage Current	I≤0.2CV or 500μA, whichever is greater. Where, I:Max.leakage current (μA), C:Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)											
Dissipation Factor (tanδ)	Rated Voltage(V _{dc})	6.3	6.8	7.5	10	16	25	35	50	63	100	(at 20°C,120Hz)
	tanδ (max.)	0.08			0.12						0.15	
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. (tanδ)	≤150% of the initial specified value										
	ESR	≤150% of the initial specified value										
	Leakage Current	≤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. (tanδ)	≤150% of the initial specified value										
	ESR	≤150% of the initial specified value										
	Leakage Current	≤The initial specified value										

DIMENSIONS[mm]



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

PART NUMBERING SYSTEM



PZ series

■ STANDARD RATINGS

VDC (SV)	Cap (μF)	Size ΦDxL(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	5×7	30	1800	500	SPZ0JM101D07O00RAXXX
	220	5×7	20	3500	500	SPZ0JM221D07O00RAXXX
		6.3×7	20	3900	500	SPZ0JM221E07O00RAXXX
	270	5×7	20	3800	500	SPZ0JM271D07O00RAXXX
		5×8	20	4000	500	SPZ0JM331D08O00RAXXX
	330	6.3×5	25	3160	500	SPZ0JM331E05O00RAXXX
		6.3×8	15	4000	500	SPZ0JM331E08O00RAXXX
	390	5×9	20	4100	500	SPZ0JM391D09O00RAXXX
		5×10	20	4300	592	SPZ0JM471D10O00RAXXX
	470	5.5×9	20	4100	592	SPZ0JM471B09O00RAXXX
		6.3×7	20	3900	592	SPZ0JM471E07O00RAXXX
		6.3×8	15	4400	592	SPZ0JM471E08O00RAXXX
	500	5×9	20	4100	630	SPZ0JM501D09O00RAXXX
		6.3×7	20	4200	706	SPZ0JM561E07O00RAXXX
	560	6.3×8	20	4800	706	SPZ0JM561E08O00RAXXX
		5.5×9	20	4300	706	SPZ0JM561B09O00RAXXX
		6.3×9	20	5080	857	SPZ0JM681E09O00RAXXX
	680	5.5×9	20	4800	857	SPZ0JM681B09O00RAXXX
		8×9	20	4600	857	SPZ0JM681F09O00RAXXX
		5.5×12	20	5000	1033	SPZ0JM821B12O00RAXXX
	820	6.3×9	20	5080	1033	SPZ0JM821E09O00RAXXX
		8×9	15	4700	1033	SPZ0JM821F09O00RAXXX
		6.3×10	10	5150	1260	SPZ0JM102E10O00RAXXX
	1000	8×9	12	4800	1260	SPZ0JM102F09O00RAXXX
		8×11	10	5200	1260	SPZ0JM102F11O00RAXXX
		6.3×11	10	5200	1512	SPZ0JM122E11O00RAXXX
	1200	8×11	10	5300	1512	SPZ0JM122F11O00RAXXX
		8×11	10	5400	1890	SPZ0JM152F11O00RAXXX
	1500	10×12	10	5500	1890	SPZ0JM152G12O00RAXXX
	1800	10×10	10	5560	2268	SPZ0JM182G10O00RAXXX
	2200	8×14	10	5700	2772	SPZ0JM222F14O00RAXXX
		10×12	10	5800	2772	SPZ0JM222G12O00RAXXX
	3300	10×14	10	5900	4158	SPZ0JM332G14O00RAXXX
	4700	10×17	10	6100	5000	SPZ0JM472G17O00RAXXX
	5600	10×18	10	6300	5000	SPZ0JM562G18O00RAXXX
6.8 (7.8)	220	5×7	20	3300	500	SPZ0CM221D07O00RAXXX
	270	5×7	20	3600	500	SPZ0CM271D07O00RAXXX
		6.3×8	20	3900	500	SPZ0CM271E08O00RAXXX
		5×8	20	3800	500	SPZ0CM331D08O00RAXXX
	330	6.3×5	25	3100	500	SPZ0CM331E05O00RAXXX
		6.3×7	20	3400	500	SPZ0CM331E07O00RAXXX
	390	5×9	20	3900	530	SPZ0CM391D09O00RAXXX
	470	5×9	20	4100	639	SPZ0CM471D09O00RAXXX
		6.3×7	20	3700	639	SPZ0CM471E07O00RAXXX
	560	6.3×8	20	4500	762	SPZ0CM561E08O00RAXXX
7 (8.1)	680	6.3×9	20	4800	925	SPZ0CM681E09O00RAXXX
	820	6.3×9	20	4900	1115	SPZ0CM821E09O00RAXXX
		6.3×11	12	5100	1360	SPZ0CM102E11O00RAXXX
	1000	8×11	10	5150	1360	SPZ0CM102F11O00RAXXX
	150	5×6	30	1500	500	SPZ0QM151D06O00RAXXX
	220	5×7	20	3200	500	SPZ0QM221D07O00RAXXX
	270	5×8	20	3400	500	SPZ0QM271D08O00RAXXX
	330	5×9	20	3600	500	SPZ0QM331D09O00RAXXX
	470	6.3×8	20	3800	658	SPZ0QM471E08O00RAXXX
		5.5×9	20	3600	658	SPZ0QM471B09O00RAXXX
7.5 (8.6)	560	6.3×8	20	4000	784	SPZ0QM561E08O00RAXXX
	680	6.3×9	12	4200	952	SPZ0QM681E09O00RAXXX
	820	6.3×10	12	4500	1148	SPZ0QM821E10O00RAXXX
		8×9	12	4600	1148	SPZ0QM821F09O00RAXXX
	220	5×7	20	3100	500	SPZ0AM221D07O00RAXXX
	270	5×8	20	3300	500	SPZ0AM271D08O00RAXXX
	330	5×8	20	3500	500	SPZ0AM331D08O00RAXXX
	390	5×9	20	3500	585	SPZ0AM391D09O00RAXXX
		6.3×7	25	3200	705	SPZ0AM471E07O00RAXXX
	470	5.5×9	20	3550	705	SPZ0AM471B09O00RAXXX
10 (11.5)		5×9	20	3550	705	SPZ0AM471D09O00RAXXX
		5.5×8	25	3100	705	SPZ0AM471B08O00RAXXX
	500	5.5×9	20	3600	750	SPZ0AM501B09O00RAXXX
	560	6.3×8	20	3900	840	SPZ0AM561E08O00RAXXX
	680	6.3×9	12	4100	1020	SPZ0AM681E09O00RAXXX
		6.3×10	12	4400	1230	SPZ0AM821E10O00RAXXX
	820	8×9	12	4550	1230	SPZ0AM821F09O00RAXXX
		8×11	12	4700	1500	SPZ0AM102F11O00RAXXX
	1000	6.3×11	12	4500	1500	SPZ0AM102E11O00RAXXX
	1200	8×11	12	4800	1800	SPZ0AM122F11O00RAXXX
	1500	8×11	12	4900	2250	SPZ0AM152F11O00RAXXX
	1800	6.8×13	12	4800	2250	SPZ0AM152Q13O00RAXXX
	2200	8×14	12	5100	2700	SPZ0AM182F14O00RAXXX
		10×12	12	5700	3300	SPZ0AM222G12O00RAXXX
	47	5×7	35	2200	500	SPZ1AM470D07O00RAXXX
	56	5×7	35	2250	500	SPZ1AM560D07O00RAXXX
	68	5×7	35	2300	500	SPZ1AM680D07O00RAXXX
	82	5×7	35	2350	500	SPZ1AM820D07O00RAXXX
	100	5×7	35	2400	500	SPZ1AM101D07O00RAXXX
		6.3×5	30	2300	500	SPZ1AM101E05O00RAXXX
	120	5×7	20	2450	500	SPZ1AM121D07O00RAXXX

Conductive Polymer
Radial Type

PZ series

■ STANDARD RATINGS

VDC (SV)	Cap (µF)	Size ΦDxL (mm)	ESR (mΩ, 20°C, 100kHz) (max.)	Rated ripple current (mArms/105°C, 100kHz)	Leakage Current (µA) (max.)	Part Number
10 (11.5)	150	5×7	20	2500	500	SPZ1AM151D07O00RAXXX
	180	6.3×7	20	2800	500	SPZ1AM181E07O00RAXXX
		5×8	20	2700	500	SPZ1AM181D08O00RAXXX
		5×9	20	2820	500	SPZ1AM221D09O00RAXXX
	220	6.3×5	25	2800	500	SPZ1AM221E05O00RAXXX
		6.3×8	15	3160	500	SPZ1AM221E08O00RAXXX
	270	6.3×8	20	3100	540	SPZ1AM271E08O00RAXXX
		6.3×8	20	3300	660	SPZ1AM331E08O00RAXXX
	330	8×9	15	3400	660	SPZ1AM331F09O00RAXXX
		6.3×10	12	3500	660	SPZ1AM331E10O00RAXXX
	390	6.3×8	20	3400	780	SPZ1AM391E08O00RAXXX
		5.5×9	20	3400	940	SPZ1AM471B09O00RAXXX
	470	6.3×8	20	3500	940	SPZ1AM471E08O00RAXXX
		8×9	15	3550	940	SPZ1AM471F09O00RAXXX
		8×11	12	5650	940	SPZ1AM471F11O00RAXXX
	560	6.3×10	13	3600	1120	SPZ1AM561E10O00RAXXX
		8×9	15	3600	1120	SPZ1AM561F09O00RAXXX
	680	8×11	12	3900	1360	SPZ1AM681F11O00RAXXX
		8×8	20	3300	1360	SPZ1AM681F08O00RAXXX
	820	8×11	12	4000	1640	SPZ1AM821F11O00RAXXX
		8×11	12	4200	2000	SPZ1AM102F11O00RAXXX
	1000	10×12	10	5300	2000	SPZ1AM102G12O00RAXXX
		8×12	10	4500	2400	SPZ1AM122F12O00RAXXX
	1200	10×12	10	5450	2400	SPZ1AM122G12O00RAXXX
		10×12	10	5500	3000	SPZ1AM152G12O00RAXXX
	1500	8×14	10	4800	3000	SPZ1AM152F14O00RAXXX
12 (13.8)	330	5.5×9	20	3100	792	SPZ1TM331B09O00RAXXX
		6.3×8	20	3100	792	SPZ1TM331E08O00RAXXX
		5.5×9	20	3200	1128	SPZ1TM471B09O00RAXXX
	470	6.3×9	20	3450	1128	SPZ1TM471E09O00RAXXX
		6.3×10	15	3400	1344	SPZ1TM561E10O00RAXXX
	560	6.3×11	15	3600	1632	SPZ1TM681E11O00RAXXX
	680	8×10	15	3700	1632	SPZ1TM681F10O00RAXXX
		8×11	12	3800	1968	SPZ1TM821F11O00RAXXX
	820	8×12	12	4000	2400	SPZ1TM102F12O00RAXXX
	1000	8×14	12	4400	2880	SPZ1TM122F14O00RAXXX
	1200	8×14	12	4400	2880	SPZ1TM122F14O00RAXXX
	1500	8×16	12	4800	3600	SPZ1TM152F16O00RAXXX
16 (18.4)	22	5×9	80	1600	500	SPZ1CM220D09O00RAXXX
	47	5×7	20	2050	500	SPZ1CM470D07O00RAXXX
	56	5×7	20	2100	500	SPZ1CM560D07O00RAXXX
	68	5×7	20	2150	500	SPZ1CM680D07O00RAXXX
	82	5×8	20	2200	500	SPZ1CM820D08O00RAXXX
		5×7	20	2250	500	SPZ1CM101D07O00RAXXX
	100	6.3×5	25	2100	500	SPZ1CM101E05O00RAXXX
		6.3×8	20	2800	500	SPZ1CM101E08O00RAXXX
	120	5×8	20	2350	500	SPZ1CM121D08O00RAXXX
	150	5×8	20	2400	500	SPZ1CM151D08O00RAXXX
		5×8	20	2450	576	SPZ1CM181D08O00RAXXX
	180	6.3×7	16	2500	576	SPZ1CM181E07O00RAXXX
		5×10	20	2600	704	SPZ1CM221D10O00RAXXX
	220	6.3×8	20	2700	704	SPZ1CM221E08O00RAXXX
		6.3×10	15	2900	704	SPZ1CM221E10O00RAXXX
		5.5×9	20	2750	864	SPZ1CM271B09O00RAXXX
	270	6.3×8	20	2800	864	SPZ1CM271E08O00RAXXX
		8×9	20	2900	864	SPZ1CM271F09O00RAXXX
		5.5×9	20	2900	1056	SPZ1CM331B09O00RAXXX
	330	6.3×9	20	2900	1056	SPZ1CM331E09O00RAXXX
		6.3×10	15	3100	1056	SPZ1CM331E10O00RAXXX
		5.5×11	20	3100	1504	SPZ1CM471B11O00RAXXX
	470	6.3×11	15	3200	1504	SPZ1CM471E11O00RAXXX
		8×11	11	4600	1504	SPZ1CM471F11O00RAXXX
		8×9	13	4100	1504	SPZ1CM471F09O00RAXXX
		8×11	11	3200	1792	SPZ1CM561F11O00RAXXX
	560	8×13	15	3300	1792	SPZ1CM561F13O00RAXXX
		10×12	11	3500	1792	SPZ1CM561G12O00RAXXX
		8×11	15	3400	2176	SPZ1CM681F11O00RAXXX
	680	10×12	11	3600	2176	SPZ1CM681G12O00RAXXX
		8×13	11	3500	2624	SPZ1CM821F13O00RAXXX
	820	10×12	11	3800	2624	SPZ1CM821G12O00RAXXX
		10×12	11	4000	3200	SPZ1CM102G12O00RAXXX
	1000	8×14	11	3600	3200	SPZ1CM102F14O00RAXXX
		10×15	12	4300	3840	SPZ1CM122G15O00RAXXX
	1200	10×12	12	4200	3840	SPZ1CM122G12O00RAXXX
		10×12	12	4800	4800	SPZ1CM152G12O00RAXXX
	1500	10×18	12	5500	4800	SPZ1CM152G18O00RAXXX
	1800	10×14	12	5400	5000	SPZ1CM182G14O00RAXXX
	2200	10×17	12	5800	5000	SPZ1CM222G17O00RAXXX
		10×15	12	5500	5000	SPZ1CM222G15O00RAXXX
20 (23.0)	120	6.3×8	30	2300	500	SPZ1DM121E08O00RAXXX
	150	6.3×10	20	2350	600	SPZ1DM151E10O00RAXXX
	220	8×11	20	2550	880	SPZ1DM221F11O00RAXXX
	270	8×11	20	2700	1080	SPZ1DM271F11O00RAXXX
	330	8×11	20	2800	1320	SPZ1DM331F11O00RAXXX
		6.3×10	20	2100	1320	SPZ1DM331E10O00RAXXX
		10×12	20	2900	1880	SPZ1DM471G12O00RAXXX
	470	8×16	20	3000	1880	SPZ1DM471F16O00RAXXX
		8×11	20	2400	1880	SPZ1DM471F11O00RAXXX

PZ series

■ STANDARD RATINGS

VDC (SV)	Cap (μF)	Size ΦDxL(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	10×12	20	3100	2240	SPZ1DM561G12O00RAXXX
		8×16	20	3200	2240	SPZ1DM561F16O00RAXXX
	680	10×15	20	3300	2720	SPZ1DM681G15O00RAXXX
	820	8×14	20	2700	2720	SPZ1DM681F14O00RAXXX
	1000	10×18	20	3400	3280	SPZ1DM821G18O00RAXXX
				3900	4000	SPZ1DM102G18O00RAXXX
25 (28.8)	6.8	6.3×5	100	1100	500	SPZ1EM6R8E05O00RAXXX
	10	5×8	70	1800	500	SPZ1EM100D08O00RAXXX
	22	5×9	60	1810	500	SPZ1EM220D09O00RAXXX
	33	5×9	50	1850	500	SPZ1EM330D09O00RAXXX
	39	5×8	60	1900	500	SPZ1EM390D08O00RAXXX
	47	5×9	60	1950	500	SPZ1EM470D09O00RAXXX
	56	5×9	60	2050	500	SPZ1EM560D09O00RAXXX
	68	6.3×7	30	2100	500	SPZ1EM680E07O00RAXXX
	82	6.3×7	30	2150	500	SPZ1EM820E07O00RAXXX
		6.3×8	30	2500	500	SPZ1EM101E08O00RAXXX
	100	6.3×10	20	2800	500	SPZ1EM101E10O00RAXXX
		8×11	20	3000	500	SPZ1EM101F11O00RAXXX
	120	6.3×8	30	2500	600	SPZ1EM121E08O00RAXXX
	150	6.3×10	20	2800	750	SPZ1EM151E10O00RAXXX
	180	6.3×10	20	2800	900	SPZ1EM181E10O00RAXXX
		8×9	30	2500	900	SPZ1EM181F09O00RAXXX
		8×11	20	3000	1100	SPZ1EM221F11O00RAXXX
	220	10×12	20	3500	1100	SPZ1EM221G12O00RAXXX
		5.5×11	20	1900	1100	SPZ1EM221B11O00RAXXX
	270	8×11	20	3000	1350	SPZ1EM271F11O00RAXXX
		8×11	20	3100	1650	SPZ1EM331F11O00RAXXX
	330	10×12	20	3800	1650	SPZ1EM331G12O00RAXXX
		10×10	25	2800	1650	SPZ1EM331G10O00RAXXX
		10×12	20	4000	2350	SPZ1EM471G12O00RAXXX
	470	8×16	20	3400	2350	SPZ1EM471F16O00RAXXX
		8×11	20	3000	2350	SPZ1EM471F11O00RAXXX
		10×10	25	2800	2350	SPZ1EM471G10O00RAXXX
	560	10×12	20	4000	2800	SPZ1EM561G12O00RAXXX
		8×12	20	3100	2800	SPZ1EM561F12O00RAXXX
		10×15	20	4300	3400	SPZ1EM681G15O00RAXXX
	680	10×12	20	4100	3400	SPZ1EM681G12O00RAXXX
		8×14	20	3400	3400	SPZ1EM681F14O00RAXXX
		10×18	20	4500	4100	SPZ1EM821G18O00RAXXX
	820	10×12	20	4100	4100	SPZ1EM821G12O00RAXXX
		8×16	20	3600	4100	SPZ1EM821F16O00RAXXX
	1000	10×18	20	4500	5000	SPZ1EM102G18O00RAXXX
35 (40.3)	4.7	5×8	60	1700	500	SPZ1VM4R7D08O00RAXXX
	10	5×8	60	1800	500	SPZ1VM100D08O00RAXXX
	15	5×8	60	1850	500	SPZ1VM150D08O00RAXXX
	22	5×9	100	1950	500	SPZ1VM220D09O00RAXXX
	33	5×9	50	2000	500	SPZ1VM330D09O00RAXXX
	39	5×9	50	2050	500	SPZ1VM390D09O00RAXXX
	47	6.3×7	50	2100	500	SPZ1VM470E07O00RAXXX
	56	6.3×7	50	2150	500	SPZ1VM560E07O00RAXXX
	68	6.3×7	50	2200	500	SPZ1VM680E07O00RAXXX
	82	6.3×7	50	2250	574	SPZ1VM820E07O00RAXXX
		6.3×8	50	2350	700	SPZ1VM101E08O00RAXXX
	100	6.3×10	40	2400	700	SPZ1VM101E10O00RAXXX
		8×11	40	2600	700	SPZ1VM101F11O00RAXXX
	120	6.3×10	40	2500	840	SPZ1VM121E10O00RAXXX
	150	6.3×10	40	2550	1050	SPZ1VM151E10O00RAXXX
	180	6.3×11	40	2600	1260	SPZ1VM181E11O00RAXXX
		8×11	40	2800	1540	SPZ1VM221F11O00RAXXX
	220	10×12	30	2900	1540	SPZ1VM221G12O00RAXXX
		6.3×11	40	2600	1540	SPZ1VM221E11O00RAXXX
	270	10×12	30	3000	1890	SPZ1VM271G12O00RAXXX
	330	10×12	30	3100	2310	SPZ1VM331G12O00RAXXX
	470	10×13	20	3200	3290	SPZ1VM471G13O00RAXXX
	560	10×14	20	3300	3920	SPZ1VM561G14O00RAXXX
	680	10×16	20	3400	4760	SPZ1VM681G16O00RAXXX
	820	10×18	20	3500	5000	SPZ1VM821G18O00RAXXX
	1000	10×18	20	3700	5000	SPZ1VM102G18O00RAXXX
50 (57.5)	4.7	5×8	60	1600	500	SPZ1HM4R7D08O00RAXXX
	10	6.3×7	35	1850	500	SPZ1HM100E07O00RAXXX
		5×8	70	1630	500	SPZ1HM100D08O00RAXXX
	15	5×8	70	1660	500	SPZ1HM150D08O00RAXXX
	22	6.3×7	40	1900	500	SPZ1HM220E07O00RAXXX
	33	6.3×7	40	2000	500	SPZ1HM330E07O00RAXXX
	47	6.3×8	35	2100	500	SPZ1HM470E08O00RAXXX
	56	6.3×8	35	2120	560	SPZ1HM560E08O00RAXXX
	68	6.3×10	30	2150	680	SPZ1HM680E10O00RAXXX
	100	8×11	30	2300	1000	SPZ1HM101F11O00RAXXX
		8×9	40	2100	1000	SPZ1HM101F09O00RAXXX
	120	8×11	30	2400	1200	SPZ1HM121F11O00RAXXX
	150	10×12	30	2500	1500	SPZ1HM151G12O00RAXXX
	180	10×12	30	2600	1800	SPZ1HM181G12O00RAXXX
	220	10×12	30	2700	2200	SPZ1HM221G12O00RAXXX
	270	10×13	20	2900	2700	SPZ1HM271G13O00RAXXX
	330	10×15	20	3000	3300	SPZ1HM331G15O00RAXXX
	440	10×18	20	3100	4400	SPZ1HM441G18O00RAXXX
	470	10×18	20	3150	4700	SPZ1HM471G18O00RAXXX
63(72.5)	4.7	6.3×8	60	1600	500	SPZ1JM4R7E08O00RAXXX

Conductive Polymer
Radial Type

PZ series

■ STANDARD RATINGS

VDC (SV)	Cap (μF)	Size ΦDxL(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	6.3×8	60	1650	500	SPZ1JM6R8E08O00RAXXX
	10	6.3×5	60	1600	500	SPZ1JM100E05O00RAXXX
	33	6.3×8	30	1700	500	SPZ1JM330E08O00RAXXX
	39	6.3×8	30	1750	500	SPZ1JM390E08O00RAXXX
	47	6.3×9	30	1900	592	SPZ1JM470E09O00RAXXX
	56	8×9	30	1800	706	SPZ1JM560F09O00RAXXX
	68	8×11	30	2000	857	SPZ1JM680F11O00RAXXX
	82	8×11	30	2100	1033	SPZ1JM820F11O00RAXXX
	100	10×12	30	2200	1260	SPZ1JM101G12O00RAXXX
	150	10×12	30	2500	1890	SPZ1JM151G12O00RAXXX
	180	10×13	20	2600	2268	SPZ1JM181G13O00RAXXX
	220	10×15	20	2650	2772	SPZ1JM221G15O00RAXXX
	270	10×17	20	2850	3402	SPZ1JM271G17O00RAXXX
	330	10×18	20	2950	4158	SPZ1JM331G18O00RAXXX
80 (92.0)	4.7	6.3×8	60	1500	500	SPZ1BM4R7E08O00RAXXX
	6.8	6.3×8	60	1550	500	SPZ1BM6R8E08O00RAXXX
	22	6.3×10	60	1650	500	SPZ1BM220E10O00RAXXX
	33	8×11	35	1700	528	SPZ1BM330F11O00RAXXX
	47	10×12	35	1850	752	SPZ1BM470G12O00RAXXX
	68	10×12	35	1900	1088	SPZ1BM680G12O00RAXXX
100 (115.0)	100	10×14	35	2100	1600	SPZ1BM101G14O00RAXXX
	4.7	6.3×8	120	1400	500	SPZ1KM4R7E08O00RAXXX
	6.8	6.3×8	120	1450	500	SPZ1KM6R8E08O00RAXXX
	10	6.3×10	50	1500	500	SPZ1KM100E10O00RAXXX
	15	8×11	50	1550	500	SPZ1KM100F11O00RAXXX
	22	8×11	35	1550	500	SPZ1KM150F11O00RAXXX
	33	10×12	35	1600	500	SPZ1KM220G12O00RAXXX
	47	10×14	35	1650	660	SPZ1KM330G14O00RAXXX
		10×16	35	1800	940	SPZ1KM470G16O00RAXXX

※ Specifications subject to change without notice.