RZ series

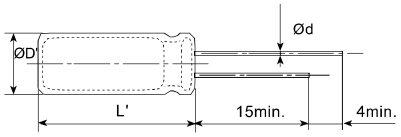
- Endurance: +105°C 2,000 hours
- Low ESR,ripple current resistant
- Recommended Applications: Adaptor
- **RoHS Compliant and lead-free**

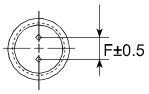
New

SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-55~+105°C							
Rated Working Voltage Range	2.5~35 V_{dc}							
Nominal Capacitance Range	47~1500μF							
Capacitance Tolerance	±20%(M)							(at 20°C,120Hz)
DC Leakage Current	LC=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})	2.5	6.3	10	16	25	35	(at 20°C,120Hz)
	tanδ (max.)	0.08		0.12				
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 with rated ripple current 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 requirement as in surge test.							
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						

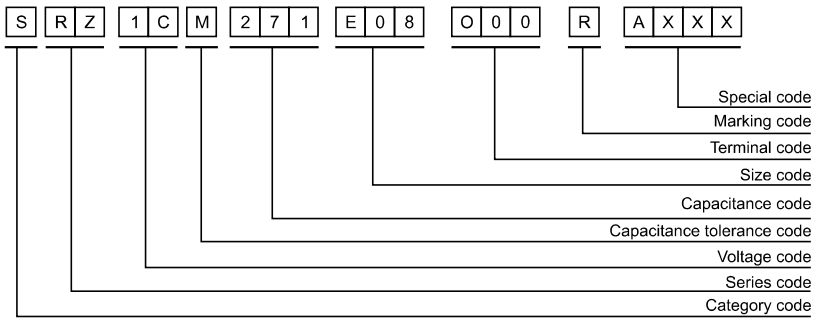
DIMENSIONS[mm]





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	ØD±0.3	ØD-0.1~+0.5		
L'	L+1.0max.			L-0.5~+1	

PART NUMBERING SYSTEM



RZ 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
2.5 (2.9)	560	6.3×8	10	3000	500	SRZ0EM561E08O00RAXXX
	680	6.3×8	10	3000	500	SRZ0EM681E08O00RAXXX
	820	6.3×9	10	3000	500	SRZ0EM821E09O00RAXXX
	1200	8×9	12	3200	600	SRZ0EM122F09O00RAXXX
6.3 (7.2)	330	6.3×8	10	2800	500	SRZ0JM331E08O00RAXXX
	470	6.3×8	10	2800	592	SRZ0JM471E08O00RAXXX
		8×9	12	3200	592	SRZ0JM471F09O00RAXXX
	560	6.3×8	10	2800	706	SRZ0JM561E08O00RAXXX
	680	8×11	10	3400	857	SRZ0JM681F11O00RAXXX
	820	8×11	10	3400	1033	SRZ0JM821F11O00RAXXX
	1000	8×11	10	3600	1260	SRZ0JM102F11O00RAXXX
	1200	8×11	10	3600	1512	SRZ0JM122F11O00RAXXX
	1500	10×12	10	4000	1890	SRZ0JM152G12O00RAXXX
10 (11.5)	220	6.3×8	10	2400	500	SRZ1AM221E08O00RAXXX
	270	6.3×8	10	2400	540	SRZ1AM271E08O00RAXXX
	330	6.3×10	10	2600	660	SRZ1AM331E10O00RAXXX
	470	8×11	10	3000	940	SRZ1AM471F11O00RAXXX
	560	8×11	10	3000	1120	SRZ1AM561F11O00RAXXX
	680	8×11	10	3200	1360	SRZ1AM681F11O00RAXXX
	820	8×11	10	3200	1640	SRZ1AM821F11O00RAXXX
	1000	10×12	10	3400	2000	SRZ1AM102G12O00RAXXX
	1200	10×12	10	3400	2400	SRZ1AM122G12O00RAXXX
	1500	10×12	10	3800	3000	SRZ1AM152G12O00RAXXX
16 (18.4)	100	6.3×8	15	2000	500	SRZ1CM101E08O00RAXXX
	180	6.3×8	15	2000	576	SRZ1CM181E08O00RAXXX
	220	6.3×10	15	2200	704	SRZ1CM221E10O00RAXXX
	270	8×11	12	2400	864	SRZ1CM271F11O00RAXXX
	330	6.3×10	12	2200	1056	SRZ1CM331E10O00RAXXX
	470	8×11	12	2400	1504	SRZ1CM471F11O00RAXXX
	560	10×12	12	3000	1792	SRZ1CM561G12O00RAXXX
	680	10×12	12	3000	2176	SRZ1CM681G12O00RAXXX
	820	10×12	12	3200	2624	SRZ1CM821G12O00RAXXX
	1000	10×12	12	3200	3200	SRZ1CM102G12O00RAXXX
25 (28.8)	68	6.3×7	22	1600	500	SRZ1EM680E07O00RAXXX
	82	6.3×7	22	1600	500	SRZ1EM820E07O00RAXXX
	100	6.3×8	22	1600	500	SRZ1EM101E08O00RAXXX
		8×11	20	2000	500	SRZ1EM101F11O00RAXXX
	120	6.3×10	20	1800	600	SRZ1EM121E10O00RAXXX
	180	8×9	22	1600	900	SRZ1EM181F09O00RAXXX
	220	8×11	20	2000	1100	SRZ1EM221F11O00RAXXX
		10×12	20	2400	1100	SRZ1EM221G12O00RAXXX
	270	8×11	20	2000	1350	SRZ1EM271F11O00RAXXX
	330	10×12	20	2400	1650	SRZ1EM331G12O00RAXXX
	470	8×16	20	2400	2350	SRZ1EM471F16O00RAXXX
		10×12	20	2600	2350	SRZ1EM471G12O00RAXXX
	560	10×12	20	2600	2800	SRZ1EM561G12O00RAXXX
35 (40.3)	47	6.3×7	50	1200	500	SRZ1VM470E07O00RAXXX
	56	6.3×7	50	1200	500	SRZ1VM560E07O00RAXXX
	68	6.3×7	50	1200	500	SRZ1VM680E07O00RAXXX
	82	6.3×7	50	1200	574	SRZ1VM820E07O00RAXXX
	100	6.3×10	40	1400	700	SRZ1VM101E10O00RAXXX
	150	10×12	30	1800	1050	SRZ1VM151G12O00RAXXX
	220	8×11	30	1600	1540	SRZ1VM221F11O00RAXXX
		10×12	30	1800	1540	SRZ1VM221G12O00RAXXX
	270	10×12	30	1800	1890	SRZ1VM271G12O00RAXXX
	330	10×12	30	1800	2310	SRZ1VM331G12O00RAXXX