RT series

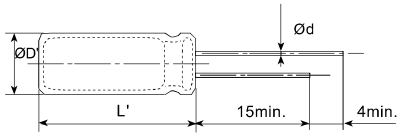
- Endurance: +125°C 2,000 hours
- Low ESR,ripple current resistant
- Recommended Applications: Adaptor
- **RoHS Compliant and lead-free**

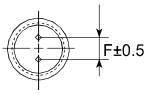
New

SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-55~+125°C							
Rated Working Voltage Range	2.5~35 Vdc							
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(Vdc)	2.5	6.3	10	16	25	35	
	tanδ (max.)	0.08		0.12				(at 20°C,120Hz)
ESR(100kHz,20°C)	Value in characteristics table							
Temperature Characteristic (Impedance Ratio at 100kHz)	Z(+125°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 125°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						

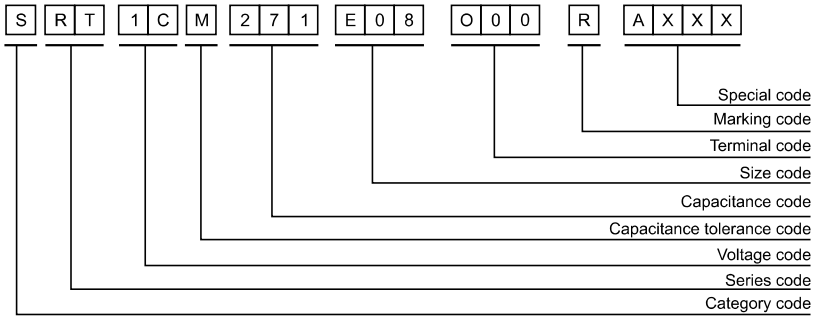
DIMENSIONS[mm]





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



RT series

■ STANDARD RATINGS

VDC (SV)	Cap (μF)	Size ΦDxL(mm)	ESR (mΩ,20°C,100kHz) (max.)	Rated ripple current (mArms/125°C,100kHz)	Leakage Current (μA)(max.)	Part Number
2.5 (2.9)	560	6.3×8	15	1200	500	SRT0EM561E08O00RAXXX
	680	6.3×8	15	1200	500	SRT0EM681E08O00RAXXX
	820	6.3×9	15	1200	500	SRT0EM821E09O00RAXXX
	1200	8×9	17	1300	600	SRT0EM122F09O00RAXXX
6.3 (7.2)	330	6.3×8	15	1100	500	SRT0JM331E08O00RAXXX
	470	6.3×8	15	1100	592	SRT0JM471E08O00RAXXX
		8×9	17	1300	592	SRT0JM471F09O00RAXXX
	560	6.3×8	15	1100	706	SRT0JM561E08O00RAXXX
	680	8×11	15	1400	857	SRT0JM681F11O00RAXXX
	820	8×11	15	1400	1033	SRT0JM821F11O00RAXXX
	1000	8×11	15	1500	1260	SRT0JM102F11O00RAXXX
	1200	8×11	15	1500	1512	SRT0JM122F11O00RAXXX
	1500	10×12	15	1700	1890	SRT0JM152G12O00RAXXX
10 (11.5)	220	6.3×8	15	900	500	SRT1AM221E08O00RAXXX
	270	6.3×8	15	900	540	SRT1AM271E08O00RAXXX
	330	6.3×10	15	1000	660	SRT1AM331E10O00RAXXX
	470	8×11	15	1200	940	SRT1AM471F11O00RAXXX
	560	8×11	15	1200	1120	SRT1AM561F11O00RAXXX
	680	8×11	15	1300	1360	SRT1AM681F11O00RAXXX
	820	8×11	15	1300	1640	SRT1AM821F11O00RAXXX
	1000	10×12	15	1400	2000	SRT1AM102G12O00RAXXX
	1200	10×12	15	1400	2400	SRT1AM122G12O00RAXXX
	1500	10×12	15	1600	3000	SRT1AM152G12O00RAXXX
16 (18.4)	100	6.3×8	20	800	500	SRT1CM101E08O00RAXXX
	180	6.3×8	20	800	576	SRT1CM181E08O00RAXXX
	220	6.3×10	20	890	704	SRT1CM221E10O00RAXXX
	270	8×11	17	900	864	SRT1CM271F11O00RAXXX
	330	6.3×10	17	800	1056	SRT1CM331E10O00RAXXX
	470	8×11	17	900	1504	SRT1CM471F11O00RAXXX
	560	10×12	17	1200	1792	SRT1CM561G12O00RAXXX
	680	10×12	17	1200	2176	SRT1CM681G12O00RAXXX
	820	10×12	17	1300	2624	SRT1CM821G12O00RAXXX
	1000	10×12	17	1300	3200	SRT1CM102G12O00RAXXX
25 (28.8)	68	6.3×7	27	600	500	SRT1EM680E07O00RAXXX
	82	6.3×7	27	600	500	SRT1EM820E07O00RAXXX
	100	6.3×8	27	600	500	SRT1EM101E08O00RAXXX
		8×11	25	800	500	SRT1EM101F11O00RAXXX
	120	6.3×10	25	700	600	SRT1EM121E10O00RAXXX
	180	8×9	27	600	900	SRT1EM181F09O00RAXXX
	220	8×11	25	800	1100	SRT1EM221F11O00RAXXX
		10×12	25	900	1100	SRT1EM221G12O00RAXXX
	270	8×11	25	800	1350	SRT1EM271F11O00RAXXX
	330	10×12	25	900	1650	SRT1EM331G12O00RAXXX
	470	8×16	25	900	2350	SRT1EM471F16O00RAXXX
		10×12	25	1000	2350	SRT1EM471G12O00RAXXX
	560	10×12	25	1000	2800	SRT1EM561G12O00RAXXX
35 (40.3)	47	6.3×7	55	400	500	SRT1VM470E07O00RAXXX
	56	6.3×7	55	400	500	SRT1VM560E07O00RAXXX
	68	6.3×7	55	400	500	SRT1VM680E07O00RAXXX
	82	6.3×7	55	400	574	SRT1VM820E07O00RAXXX
	100	6.3×10	45	500	700	SRT1VM101E10O00RAXXX
	150	10×12	35	700	1050	SRT1VM151G12O00RAXXX
	220	8×11	35	600	1540	SRT1VM221F11O00RAXXX
		10×12	35	700	1540	SRT1VM221G12O00RAXXX
	270	10×12	35	700	1890	SRT1VM271G12O00RAXXX
	330	10×12	35	700	2310	SRT1VM331G12O00RAXXX