

SRM Series

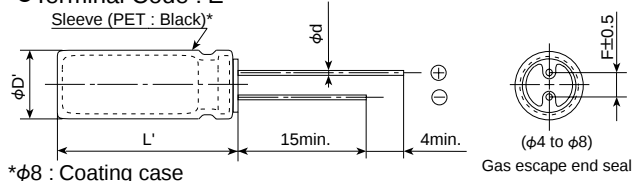
- Downsized from current standard SRE series
- 5mm height
- Endurance : 1,000 hours at 85°C
- Solvent resistant type (see PRECAUTIONS AND GUIDELINES)
- RoHS Compliant

◆ SPECIFICATIONS

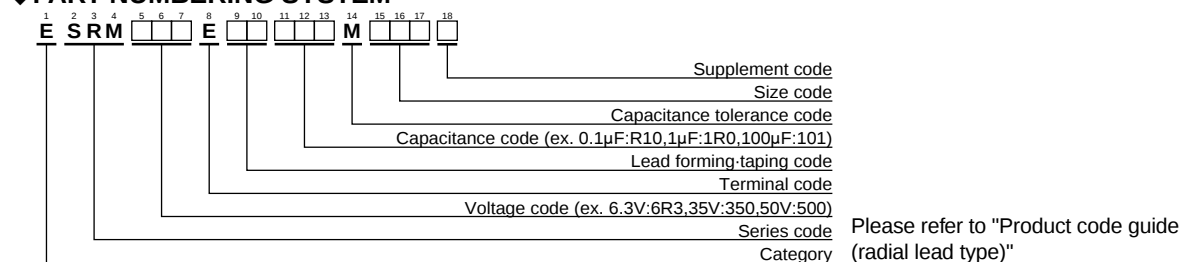
Items	Characteristics								
Category	-40 to +85℃								
Temperature Range									
Rated Voltage Range	4 to 50V _{dc}								
Capacitance Tolerance	±20% (M) (at 20℃, 120Hz)								
Leakage Current	I=0.01CV or 3μA, whichever is greater. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20℃ after 2 minutes)								
Dissipation Factor (tanδ)	Rated voltage (V _{dc})	4V	6.3V	10V	16V	25V	35V	50V	(at 20℃, 120Hz)
	tanδ (Max.)	0.40	0.38	0.30	0.23	0.17	0.15	0.13	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	4V	6.3V	10V	16V	25V	35V	50V	(at 120Hz)
	Z(-25℃)/Z(+20℃)	7	4	3	2	2	2	2	
	Z(-40℃)/Z(+20℃)	15	8	8	6	4	3	3	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for 1,000 hours at 85℃.								
	Capacitance change	≤±20% of the initial value							
	D.F. (tanδ)	≤200% of the initial specified value							
	Leakage current	≤The initial specified value							
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 85℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.								
	Capacitance change	≤±20% of the initial value							
	D.F. (tanδ)	≤200% of the initial specified value							
	Leakage current	≤The initial specified value							

◆ DIMENSIONS [mm]

● Terminal Code : E



◆ PART NUMBERING SYSTEM



◆ STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φDXL(mm)	tanδ	Rated ripple current (mA _{rms} /85°C,120Hz)	Part No.
4	100	5×5	0.40	55	ESRM4R0E□□101ME05D
	220	6.3×5	0.40	88	ESRM4R0E□□221MF05D
6.3	22	4×5	0.38	22	ESRM6R3E□□220MD05D
	47	4×5	0.38	40	ESRM6R3E□□470MD05D
	330	8×5	0.38	141	ESRM6R3E□□331MH05G
10	33	4×5	0.30	36	ESRM100E□□330MD05D
	100	6.3×5	0.30	78	ESRM100E□□101MF05D
	220	8×5	0.30	148	ESRM100E□□221MH05G
16	10	4×5	0.23	18	ESRM160E□□100MD05D
	22	4×5	0.23	33	ESRM160E□□220MD05D
	33	5×5	0.23	47	ESRM160E□□330ME05D
	47	5×5	0.23	55	ESRM160E□□470ME05D
25	4.7	4×5	0.17	13	ESRM250E□□4R7MD05D
	10	4×5	0.17	25	ESRM250E□□100MD05D
	22	5×5	0.17	41	ESRM250E□□220ME05D
	47	6.3×5	0.17	63	ESRM250E□□470MF05D

□□ : Enter the appropriate lead forming or tapping code.

Note : □□ unified to φ4×5.