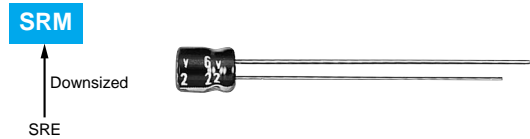


# SRM Series

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

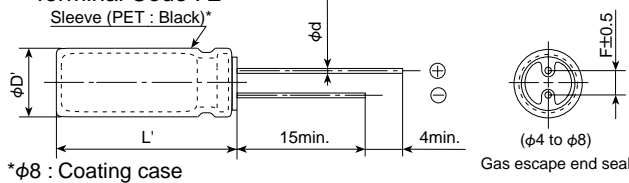


## ◆ SPECIFICATIONS

Items	Characteristics								
Category	-40 to +85°C								
Temperature Range									
Rated Voltage Range	4 to 50V <sub>dc</sub>								
Capacitance Tolerance	±20% (M) (at 20°C, 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°C after 2 minutes)								
Dissipation Factor (tanδ)	Rated voltage (V <sub>dc</sub> )	4V	6.3V	10V	16V	25V	35V	50V	(at 20°C, 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 <sub>dc</sub> )	4V	6.3V	10V	16V	25V	35V	50V	(at 120Hz)
	Z(-25°C)/Z(+20°C)	7	4	3	2	2	2	2	
	Z(-40°C)/Z(+20°C)	15	8	8	6	4	3	3	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1,000 hours at 85°C.								
	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°C after exposing them for 1,000 hours at 85°C 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							

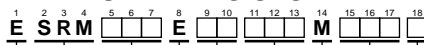
## ◆ DIMENSIONS [mm]

- Terminal Code : E



\*φ8 : Coating case

## ◆ PART NUMBERING SYSTEM



Supplement code  
 Size code  
 Capacitance tolerance code  
 Capacitance code (ex. 0.1μF:R10,1μF:1R0,100μF:101)  
 Lead forming-taping code  
 Terminal code  
 Voltage code (ex. 6.3V:6R3,35V:350,50V:500)  
 Series code  
 Category

Please refer to "Product code guide (radial lead type)"

## ◆ STANDARD RATINGS

WV (V <sub>dc</sub> )	Cap (μF)	Case size φDXL(mm)	tanδ	Rated ripple current (mArms/85°C,120Hz)	Part No.	WV (V <sub>dc</sub> )	Cap (μF)	Case size φDXL(mm)	tanδ	Rated ripple current (mArms/85°C,120Hz)	Part No.
4	100	5×5	0.40	55	ESRM4R0E□□101ME05D	25	100	8×5	0.17	116	ESRM250E□□101MH05G
	220	6.3×5	0.40	88	ESRM4R0E□□221MF05D		35	3.3	4×5	0.15	12
6.3	22	4×5	0.38	22	ESRM6R3E□□220MD05D	33		6.3×5	0.15	56	ESRM350E□□330MF05D
	47	4×5	0.38	40	ESRM6R3E□□470MD05D	47		8×5	0.15	85	ESRM350E□□470MH05G
	330	8×5	0.38	141	ESRM6R3E□□331MH05G	50	0.10	4×5	0.13	1.3	ESRM500E□□R10MD05D
10	33	4×5	0.30	36	ESRM100E□□330MD05D		0.22	4×5	0.13	2.9	ESRM500E□□R22MD05D
	100	6.3×5	0.30	78	ESRM100E□□101MF05D		0.33	4×5	0.13	4.2	ESRM500E□□R33MD05D
	220	8×5	0.30	148	ESRM100E□□221MH05G		0.47	4×5	0.13	5.0	ESRM500E□□R47MD05D
16	10	4×5	0.23	18	ESRM160E□□100MD05D		1.0	4×5	0.13	7.2	ESRM500E□□R1R0MD05D
	22	4×5	0.23	33	ESRM160E□□220MD05D		2.2	4×5	0.13	10	ESRM500E□□R2R2MD05D
	33	5×5	0.23	47	ESRM160E□□330ME05D		3.3	4×5	0.13	14	ESRM500E□□R3R3MD05D
	47	5×5	0.23	55	ESRM160E□□470ME05D		4.7	4×5	0.13	19	ESRM500E□□R4R7MD05D
25	4.7	4×5	0.17	13	ESRM250E□□4R7MD05D	10	5×5	0.13	31	ESRM500E□□100ME05D	
	10	4×5	0.17	25	ESRM250E□□100MD05D	22	6.3×5	0.13	49	ESRM500E□□220MF05D	
	22	5×5	0.17	41	ESRM250E□□220ME05D	33	8×5	0.13	76	ESRM500E□□330MH05G	
	47	6.3×5	0.17	63	ESRM250E□□470MF05D						

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

Note : □□ unified to φ4×5.