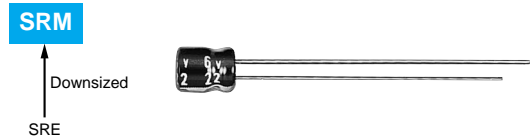


# SRM Series

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

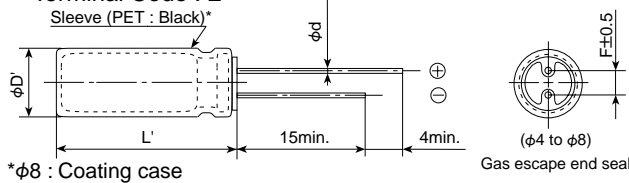


## ◆ SPECIFICATIONS

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. (at 20°C after 2 minutes)								
	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	
	tanδ (Max.)	0.40	0.38	0.30	0.23	0.17	0.15	0.13	(at 20°C, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V <sub>dc</sub> )	4V	6.3V	10V	16V	25V	35V	50V	
	Z(-25°C)/Z(+20°C)	7	4	3	2	2	2	2	(at 120Hz)
	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							

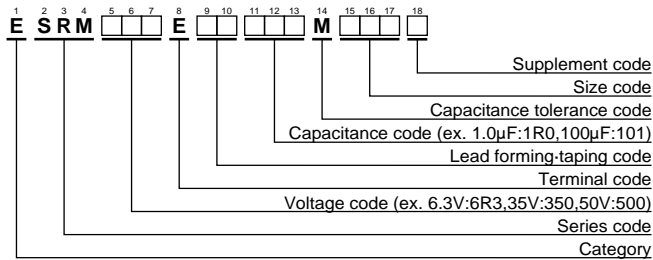
## ◆ DIMENSIONS [mm]

- Terminal Code : E



φD	4	5	6.3	8
φd	0.45	0.45	0.45	0.45
F	1.5	2.0	2.5	2.5
φD'	φD+0.5max.			
L'	L+1.0max.			

## ◆ PART NUMBERING SYSTEM



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

## ◆ STANDARD RATINGS

WV (V <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (mArms/85°C,120Hz)	Part No.	WV (V <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (mArms/85°C,120Hz)	Part No.
4	100	5×5	0.40	55	ESRM4R0E□□101ME05D	25	22	5×5	0.17	41	ESRM250E□□220ME05D
	220	6.3×5	0.40	88	ESRM4R0E□□221MF05D		47	6.3×5	0.17	63	ESRM250E□□470MF05D
6.3	22	4×5	0.38	22	ESRM6R3E□□220MD05D	35	100	8×5	0.17	116	ESRM250E□□101MH05G
	47	4×5	0.38	40	ESRM6R3E□□470MD05D		3.3	4×5	0.15	12	ESRM350E□□3R3MD05D
	330	8×5	0.38	141	ESRM6R3E□□331MH05G		33	6.3×5	0.15	56	ESRM350E□□330MF05D
10	33	4×5	0.30	36	ESRM100E□□330MD05D	50	47	8×5	0.15	85	ESRM350E□□470MH05G
	100	6.3×5	0.30	78	ESRM100E□□101MF05D		1.0	4×5	0.13	7.2	ESRM500E□□1R0MD05D
	220	8×5	0.30	148	ESRM100E□□221MH05G		2.2	4×5	0.13	10	ESRM500E□□2R2MD05D
16	10	4×5	0.23	18	ESRM160E□□100MD05D	50	3.3	4×5	0.13	14	ESRM500E□□3R3MD05D
	22	4×5	0.23	33	ESRM160E□□220MD05D		4.7	4×5	0.13	19	ESRM500E□□4R7MD05D
	33	5×5	0.23	47	ESRM160E□□330ME05D		10	5×5	0.13	31	ESRM500E□□100ME05D
	47	5×5	0.23	55	ESRM160E□□470ME05D		22	6.3×5	0.13	49	ESRM500E□□220MF05D
25	4.7	4×5	0.17	13	ESRM250E□□4R7MD05D	50	33	8×5	0.13	76	ESRM500E□□330MH05G
	10	4×5	0.17	25	ESRM250E□□100MD05D						

□□ : Enter the appropriate lead forming or taping code.  
Note : □□ unified to φ4×5.