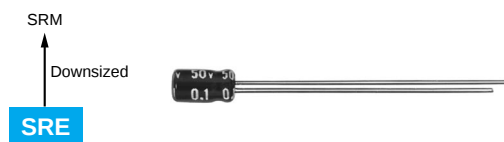


SRE Series

- 5mm height
- Endurance : 1,000 hours at 85°C
- Non solvent resistant type
- RoHS Compliant

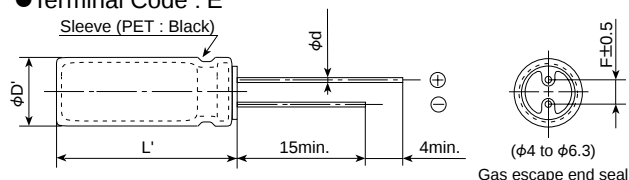


◆ SPECIFICATIONS

Items	Characteristics										
Category	Temperature Range										
Temperature Range	-40 to +85℃										
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.)	0.35	0.24	0.20	0.16	0.14	0.12	0.10			
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	10	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									

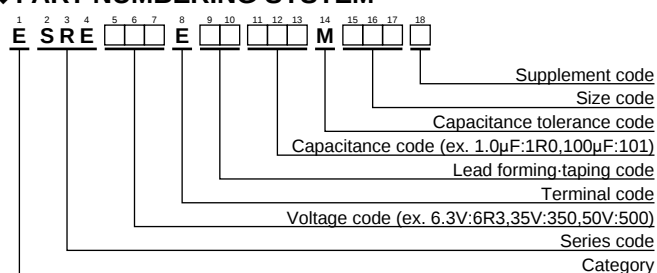
◆ DIMENSIONS [mm]

- Terminal Code : E



ϕD	4	5	6.3
ϕd	0.45	0.45	0.45
F	1.5	2.0	2.5
$\phi D'$	$\phi D + 0.5 \max$		
l'	$l + 1.0 \max$		

◆PART NUMBERING SYSTEM



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

◆ STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φDXL(mm)	tanδ	Rated ripple current (mAmps/ 85°C,120Hz)	Part No.
4	33	4×5	0.35	23	ESRE4R0E□□330MD05D
6.3	10	4×5	0.24	12	ESRE6R3E□□100MD05D
	22	4×5	0.24	23	ESRE6R3E□□220MD05D
	47	5×5	0.24	38	ESRE6R3E□□470ME05D
	100	6.3×5	0.24	60	ESRE6R3E□□101MF05D
10	33	5×5	0.20	35	ESRE100E□□330ME05D
16	4.7	4×5	0.16	10	ESRE160E□□4R7MD05D
	10	4×5	0.16	17	ESRE160E□□100MD05D
	22	5×5	0.16	32	ESRE160E□□220ME05D
	47	6.3×5	0.16	50	ESRE160E□□470MF05D
25	3.3	4×5	0.14	9.3	ESRE250E□□3R3MD05D
	4.7	4×5	0.14	12	ESRE250E□□4R7MD05D
	33	6.3×5	0.14	45	ESRE250E□□330MF05D

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

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

Note : unified to $\phi 4 \times 5$.

Mouser Electronics

Authorized Distributor

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[ESRE250ELL330MF05D](#) [BSRE160ETC220MF05D](#)