

SRE Series

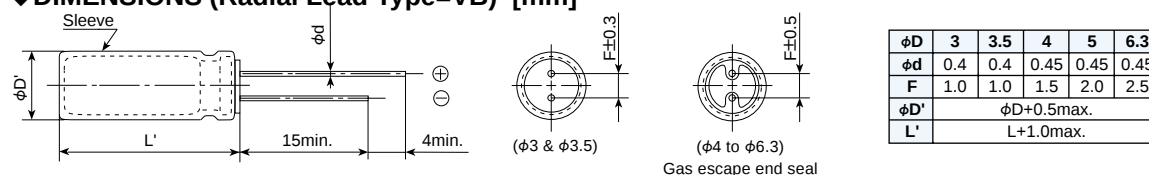
- Coating case covered products are also available
- 5mm height, 1000-hours-life at 85°C
- Non solvent-proof type



◆ SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	-40 to +85°C									
Rated Voltage Range	4 to 50V _{dc}									
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 _{dc})	4V	6.3V	10V	16V	25V	35V	50V		
	tanδ (Max.)	0.35	0.24	0.20	0.16	0.14	0.12	0.10	(at 20°C, 120Hz)	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	4V	6.3V	10V	16V	25V	35V	50V		
	Z(-25°C)/Z(+20°C)	7	4	3	2	2	2	2		
	Z(-40°C)/Z(+20°C)	15	10	8	6	4	3	3	(at 120Hz)	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1000 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 1000 hours at 85°C without voltage applied.									
	Capacitance change	≤±20% of the initial value								
	D.F. (tanδ)	≤200% of the initial specified value								
	Leakage current	≤The initial specified value								

◆DIMENSIONS (Radial Lead Type=VB) [mm]



◆PART NUMBERING SYSTEM

Capacitance	Code
0.1μF	R1
0.47μF	R47
1.0μF	1
4.7μF	4R7
10μF	10
100μF	100

◆ STANDARD RATINGS

μF \ V_{dc}	4	6.3	10	16	25	35	50
0.1							3×5 1.3
0.15							3×5 2.0
0.22							3×5 2.9
0.33							3×5 3.5
0.47							3×5 4.2
0.68							3×5 5.1
1.0							3×5 6.2
1.5							3×5 7.5
2.2						3×5 8.3	3.5×5 10
3.3					3×5 9.3	3.5×5 11	4×5 14
4.7				3×5 10	3.5×5 12	4×5 15	5×5 19
6.8			3×5 11	3.5×5 14	4×5 16	5×5 20	6.3×5 24
10		3×5 12	4×5 20	3.5×5 17	5×5 25	6.3×5 29	
15		3.5×5 17	5×5 26	5×5 26	6.3×5 33		
22		4×5 23	5×5 32	5×5 32	6.3×5 40		
33	4×5 23	5×5 35	6.3×5 50	6.3×5 50			
47		5×5 38	6.3×5 54				
68							
100		6.3×5 60					

Note1 : $\rightarrow$ Use next higher voltage part.

Note2 : The parts of $\phi 3.5 \times 5$ will be unified to $\phi 4 \times 5$.