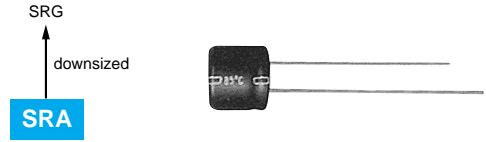


# SRA Series

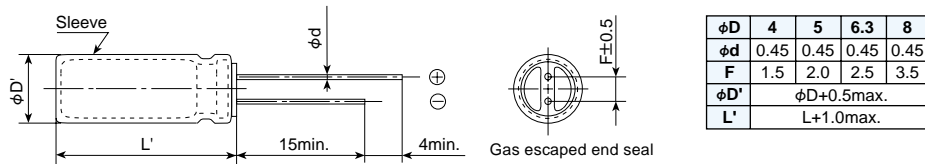
- 7mm height, 1000-hours-life at 85°C
- Non solvent-proof



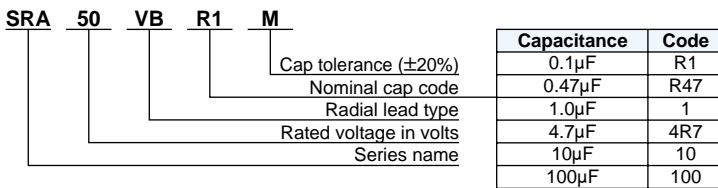
## SPECIFICATIONS

Items	Characteristics									
Category	-40 to +85°C									
Temperature Range										
Rated Voltage Range	4 to 63V <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	63V	
	tanδ (Max.)	0.35	0.24	0.20	0.16	0.14	0.12	0.10	0.08	(at 20°C, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V <sub>dc</sub> )	4V	6.3V	10V	16V	25V	35V	50V	63V	
	Z(-25°C)/Z(+20°C)	4	4	3	2	2	2	2	2	(at 120Hz)
	Z(-40°C)/Z(+20°C)	10	10	8	6	4	3	3	3	
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 500 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



## STANDARD RATINGS

μF \ V <sub>dc</sub>	4	6.3	10	16	25	35	50	63
0.1							4×7 1.3	4×7 1.3
0.22							4×7 2.9	4×7 2.9
0.33							4×7 3.5	4×7 4.4
0.47							4×7 5.0	4×7 7.9
1.0							4×7 10	4×7 11
2.2							4×7 15	4×7 17
3.3							4×7 18	5×7 21
4.7							5×7 23	6.3×7 26
10		4×7 31		4×7 25		5×7 30	6.3×7 34	6.3×7 47
22				5×7 39		6.3×7 47	6.3×7 57	
33	4×7 26					6.3×7 53	6.3×7 64	
47	4×7 34	5×7 47			6.3×7 59	6.3×7 71	8×7 83	
100	5×7 61			6.3×7 80	6.3×7 97			
220	6.3×7 95			8×7 140				
330		8×7 156						
470	8×7 154							

Case size φD×L (mm)  
Rated ripple current (mArms) at 85°C, 120Hz

Note : → Use next higher voltage part.