

SR Series

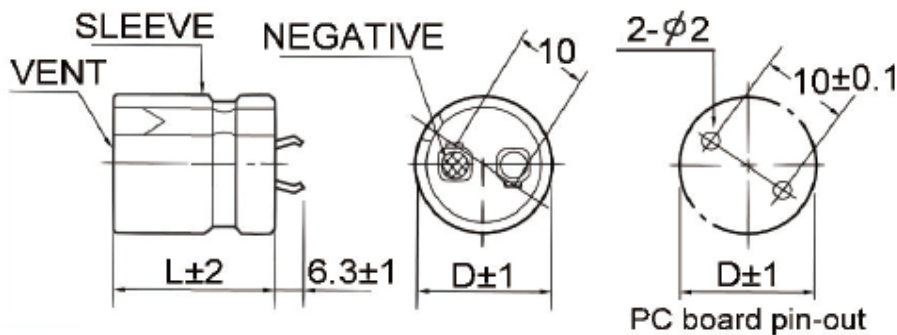
- Low Profile 20mm, Snap-in Terminal Type.
- Endurance: 85°C 2000 hours.
- Smaller size with high ripple current.
- Rohs compliance.



◆ SPECIFICATIONS

Item	Characteristics							
Operating Temperature Range	-40 to +85℃							
Rated Voltage Range	160 to 450 WV.DC							
Surge Voltage	W.V.	160	200	250	350	400	450	at 25℃
	S.V.	200	250	300	400	450	500	
Capacitance Tolerance	- 20%(M) ~ + 20% (at 25℃, 120Hz)							
Leakage Current	I ≦ 3 at 25℃ After 5 minutes I: Max. Leakage Current (μA) C: Rated Capacitance (μF) V: Rated voltage (V)							
Dissipation Factor (tanδ)	Rated voltage (V)	160~400		450		at 25℃		
	Tanδ(Max)	0.15		0.2				
Low Temperature Characteristics	Impedance ratio at 120Hz							
	Rated voltage (V)		160~250	350~400	450			
	Z-25℃/Z+20℃		3	3	8			
	Z-40℃/Z+20℃		12	-	-			
Endurance	The following specification shall be satisfied when the capacitors are restored to 20℃ after subjected DC voltage with the rated ripple current is applied for 2000 hours at 85℃ .							
	Capacitance Change		≦ ±20% of the initial value					
	Dissipation Factor		≦ 200% of the initial specified value					
	Leakage Current		≦ initial specified value					
Shelf Life	The following specification shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1000hours at 105℃ without voltage applied .(Reference JIS C 5102)							
	Capacitance Change		≦ ±20% of the initial value					
	Dissipation Factor		≦ 200% of the initial specified value					
	Leakage Current		≦ 200% of the initial specified value					

◆ DRAWING



◆ FREQUENCY COEFFICIENT OF RATED RIPPLE CURRENT

V	50Hz	120Hz	300Hz	1KHz	10KHz~
160~250	0.8	1	1.17	1.32	1.45
350~450	0.77	1	1.16	1.3	1.45

◆ PART NUMBERING SYSTEM

SR	□□□	□	□□□	□	□□
Series	Rated Cap.	Cap. Tolerance	Rated Voltage	Case Size D	Case Size L

SR Series

STANDARD RATINGS

WV uF	160		200		250	
	DxL	R.C.	DxL	R.C.	DxL	R.C.
100			22 x 20	0.61	22 x 20	0.61
150	22 x 20	0.74	35 x 20	0.74	25 x 20	0.81
220	22 x 20	0.98	35 x 20	0.98	30 x 20	1.07
330	30 x 20	1.31	35 x 20	1.23	35 x 20	1.23
470	35 x 20	1.47				

WV uF	350		400		450	
	DxL	R.C.	DxL	R.C.	DxL	R.C.
33					22 x 20	0.35
47	22 x 20	0.42	22 x 20	0.42	25 x 20	0.46
68	25 x 20	0.54	25 x 20	0.54	30 x 20	0.59
100	30 x 20	0.72	30 x 20	0.72	35 x 20	0.77
150	35 x 20	0.94	35 x 20	0.94		

R.C. : Rated ripple current (Arms) at 85°C , 120Hz