

SXR SERIES

105°C, Overvoltage Vent Operation Facility,
Snap-in Terminal Type

◆ FEATURES

- Load Life : 105°C 2000 hours.
- This series has specification of vent operation in overvoltage situation. Please consult us for any further details.
- RoHS compliance.



◆ SPECIFICATIONS

Items	Characteristics								
Category Temperature Range	-25 ~+105°C								
Rated Voltage Range	250, 450V.DC								
Capacitance Tolerance	±20%(20°C, 120Hz)								
Leakage Current(MAX)	I=3 √CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) V=Rated Voltage(V) C=Rated Capacitance(μF)								
Dissipation Factor(MAX) (tanδ)	0.20(20°C, 120Hz)								
Impedance Ratio(MAX)	<table><tr><td>Rated Voltage(V)</td><td>250</td><td>450</td></tr><tr><td>Z(-25°C)/Z(20°C)</td><td>3</td><td>8</td></tr></table> (120Hz)			Rated Voltage(V)	250	450	Z(-25°C)/Z(20°C)	3	8
Rated Voltage(V)	250	450							
Z(-25°C)/Z(20°C)	3	8							
Endurance	After applying rated voltage with rated ripple current for 2000hrs at 105°C, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td>Within ±20% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td>Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td>Not more than the specified value.</td></tr></table>			Capacitance Change	Within ±20% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.
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Dissipation Factor	Not more than 200% of the specified value.								
Leakage Current	Not more than the specified value.								

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

(Hz)Frequency		60(50)	120	500	1k	10k ≤
Coefficient	250WV	0.80	1.00	1.10	1.14	1.18
	450WV	0.80	1.00	1.05	1.10	1.15

◆ PART NUMBER

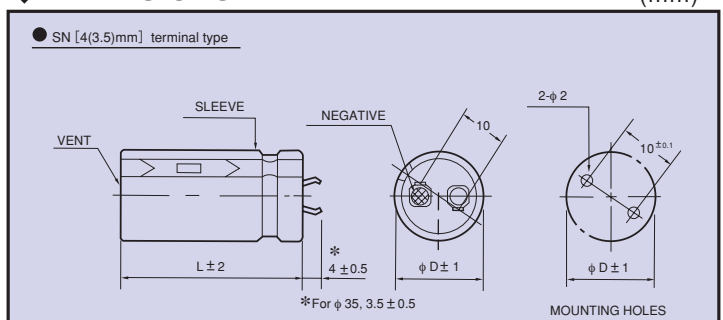
□□□ Rated Voltage SXR Series □□□□□ Rated Capacitance □ Capacitance Tolerance □□□ Option SN Terminal Code D×L Case Size

◆ Option

	Code
PET Sleeve without plate	EFC
PVC Sleeve without plate	OOE
PVC Sleeve with plate	Blank

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Cap(μF)	WV		250					
	φ D		φ 22		φ 25		φ 30	
120	22×25		0.66					
150	22×30		0.76					
180	22×30		0.84	25×25	0.85			
220	22×35		0.98	25×30	1.00			
270	22×40		1.11	25×35	1.15	30×25	1.15	
330	22×45		1.26	25×40	1.28	30×30	1.32	
390	22×50		1.41	25×45	1.43	30×30	1.50	
470				25×50	1.62	30×35	1.62	
560						30×40	1.85	35×30 1.84
680						30×45	2.10	35×35 2.09
820						30×50	2.37	35×40 2.34
1000								35×45 2.60

Cap(μF)	WV		450					
	φ D		φ 22		φ 25		φ 30	
39	22×25		0.33					
47	22×30		0.37	25×25	0.38			
56	22×35		0.45	25×30	0.44			
68	22×40		0.51	25×30	0.51			
82	22×45		0.57	25×35	0.57	30×25	0.58	
100	22×50		0.64	25×40	0.63	30×30	0.65	
120				25×50	0.72	30×35	0.72	
150						30×40	0.76	35×30 0.76
180						30×45	0.89	35×35 0.89
220						30×50	1.00	35×40 1.05
270								35×45 1.20

↑ Ripple Current (A r.m.s./120Hz, 105°C)
 Case Size φ D×L(mm)