

Radial Lead Type

OS-CON

Series : **SEPG**



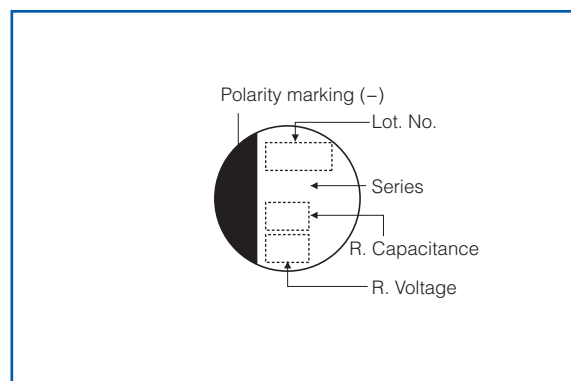
Features

- High ripple current (5800 mA.r.m.s.)
- RoHS compliance, Halogen free

Specifications

Size code	C9	C10	E9
Category temperature range	-55 °C to +105 °C		
Rated voltage range	16 V.DC		
Rated capacitance range	270 µF		470 µF
Capacitance tolerance	±20 % (120 Hz / + 20 °C)		
Leakage current	Please see the attached characteristics list		
Dissipation factor (tan δ)	Please see the attached characteristics list		
Endurance	+105 °C, 5000 h, rated voltage applied		
	Capacitance change	Within ±20 % of the initial value	
	tan δ	≤ 150 % of the initial limit	
	DC leakage current	Within the initial limit	
Damp heat (Steady State)	+60 °C, 90 % to 95 %, 1000 h, No-applied voltage		
	Capacitance change	Within ±20 % of the initial value	
	tan δ	≤ 150 % of the initial limit	
	DC leakage current	Within the initial limit (after voltage processing)	

Marking



Dimensions (not to scale)

Unit : mm

Size code	φD±0.5	L max.	F±0.5	φd±0.05
C9	6.3	9.0	2.5	0.6
C10	6.3	10.0	2.5	0.5
E9	8.0	9.0	3.5	0.6

* Externals of figure are the reference.

Characteristics list

Series	Rated voltage (V.DC)	Rated capacitance (µF)	Case size (mm)		Size code	Specifications				Part number
			φD	L		Ripple*1 current (mA.r.m.s.)	ESR*2 (mΩ max.)	tan δ*3	LC*4 (µA)	
SEPG	16	270	6.3	8.9	C9	5040	10	0.12	864	16SEPG270W
		270	6.3	9.9	C10	5800	8	0.12	864	16SEPG270M
		470	8.0	8.9	E9	5400	8	0.12	1504	16SEPG470M

*1 Ripple current (100 kHz/ +105 °C), *2 ESR (100 kHz/+20 °C) *3 tan δ (120 Hz/+20 °C) *4 After 2 minutes

◆ Please refer to each page in this catalog for "Flow conditions" and "Taping specifications".

Frequency correction factor for ripple current

Frequency	120 Hz ≤ f < 1 kHz	1 kHz ≤ f < 10 kHz	10 kHz ≤ f < 100 kHz	100 kHz ≤ f < 500 kHz
Coefficient	0.05	0.3	0.7	1