

Radial Lead Type

OS-CON

Series : **SEPG**



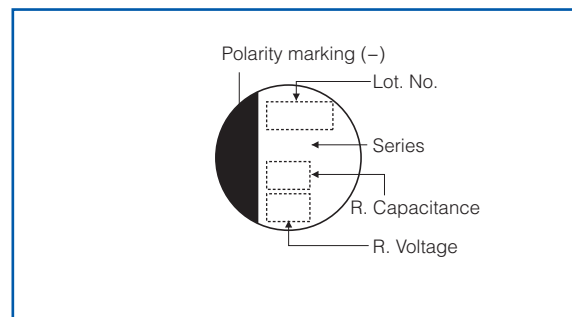
Features

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

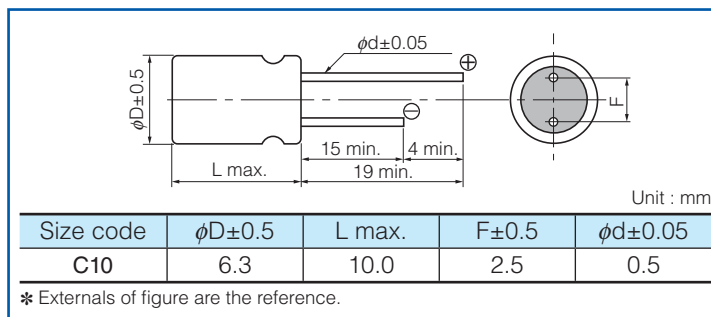
Specifications

Size code	C10	
Category temperature range	-55 °C to +105 °C	
Rated voltage range	16 V.DC	
Rated capacitance range	270 μ F	
Capacitance tolerance	± 20 % (120 Hz / + 20 °C)	
Leakage current	Please see the attached characteristics list	
Dissipation factor ($\tan \delta$)	Please see the attached characteristics list	
Endurance	+105 °C, 5000 h, rated voltage applied	
	Capacitance change	Within ± 20 % of the initial value
	$\tan \delta$	≤ 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
	$\tan \delta$	≤ 150 % of the initial limit
	DC leakage current	Within the initial limit (after voltage processing)

Marking



Dimensions (not to scale)



Characteristics list

Series	Rated voltage (V.DC)	Rated capacitance (μ F)	Case size (mm)		Size code	Specifications				Part number
			ϕD	L		Ripple current* ¹ (mA.r.m.s.)	ESR* ² (m Ω max.)	$\tan \delta$ * ³	LC* ⁴ (μ A)	
SEPG	16	270	6.3	10.0	C10	5800	8	0.12	864	16SEPG270M

*¹ Ripple current (100 kHz/ +105 °C), *² ESR (100 kHz/+20 °C) *³ $\tan \delta$ (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 $\leq f < 1$ kHz	1 kHz $\leq f < 10$ kHz	10 kHz $\leq f < 100$ kHz	100 kHz $\leq f < 500$ kHz
Coefficient	0.05	0.3	0.7	1