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Panasonic **Conductive Polymer Aluminum Solid Capacitors**

Radial Lead Type

Series : **SEPG**

OS-CON



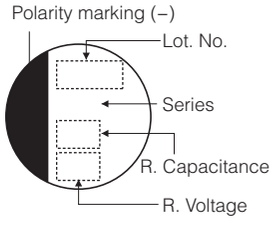
Features

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

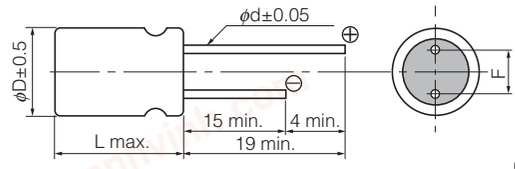
Specifications

Size code	C10	
Category temperature range	–55 °C to +105 °C	
Rated voltage range	16 V.DC	
Rated capacitance range	270 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
C10	6.3	10.0	2.5	0.5

✻ 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 (mAr.m.s.)	ESR ✻2 (mΩ max.)	tan δ ✻3	LC ✻4 (µA)	
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 δ (120 Hz/+20 °C) ✻4 After 2 minutes

◆ Please refer to each page in this catarog 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

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.