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Radial Lead Type SEPG series



OS-CON

UPGRADE

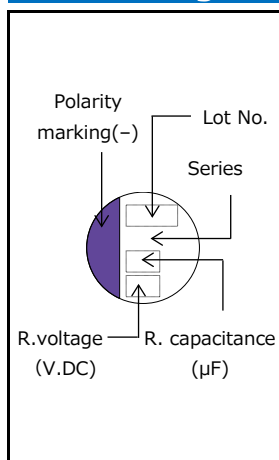
Features

- High ripple current (6100 mA r.m.s. max.)
- RoHS compliance, Halogen free

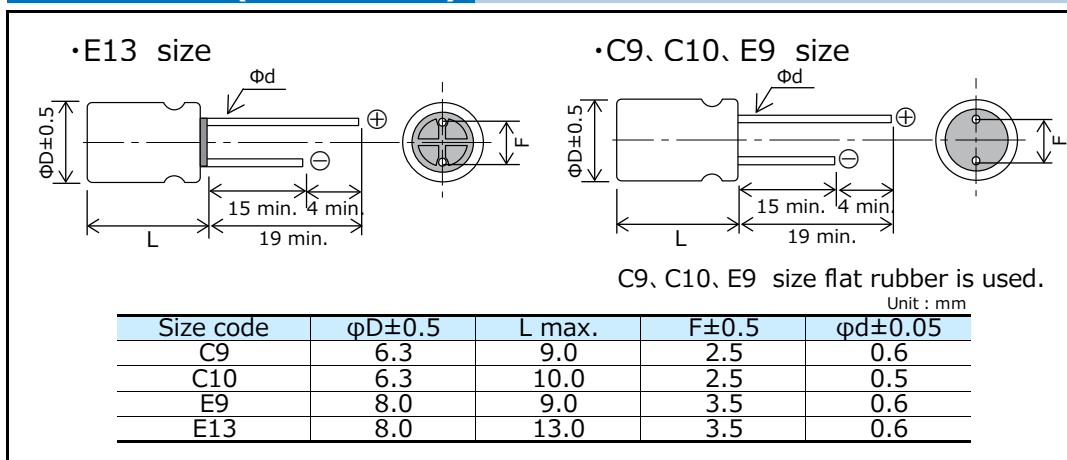
Specifications

Size code	C9	C10	E9	E13
Category temp. range	-55 °C to +105 °C			
Rated voltage range	16 V.DC			
Rated cap. range	270 μF		470 μF	560 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		
	Dissipation factor (tan δ)	≤ 200 % 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		
	Dissipation factor (tan δ)	≤ 150 % of the initial limit		
	DC leakage current	Within the initial limit (after voltage processing)		

Marking



Dimensions (not to scale)



Characteristics list

Rated volt. (V.DC)	Rated cap. (±20 %) (μF)	Case size (mm)		Size code	Specifications				Part number
		φD	L		Ripple current *1 (mA r.m.s.)	ESR *2 (mΩ)	tan δ *3	LC *4 (μA)	
16	270	6.3	8.9	C9	5040	10	0.12	864	16SEPG270W
		6.3	9.9	C10	5800	8	0.12	864	16SEPG270M
	470	8.0	8.9	E9	5400	8	0.12	1504	16SEPG470M
		8.0	12.9	E13	6100	8	0.12	1792	16SEPG560M

*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(f)	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

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