

## Radial Lead Type

# OS-CON



Series : **SXE**

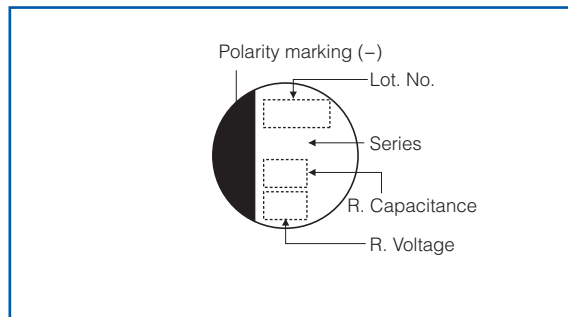
### Features

- Super high voltage (100 V.DC max.)
- RoHS compliance, Halogen free

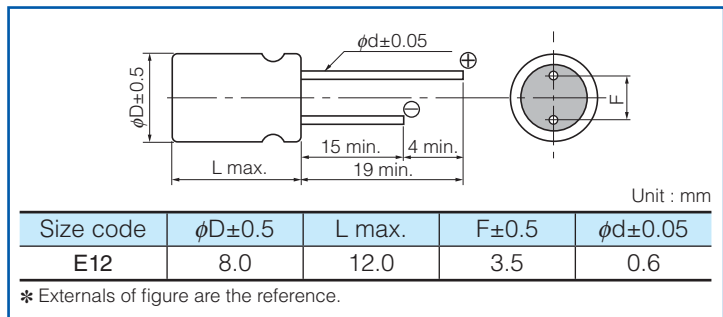
### Specifications

Size code	E12	
Category temperature range	-55 °C to +105 °C	
Rated voltage range	63 V.DC to 100 V.DC	
Rated capacitance range	15 $\mu$ F to 33 $\mu$ F	
Capacitance tolerance	$\pm 20$ % (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 $\pm 20$ % of the initial value
	tan $\delta$	$\leq 150$ % 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 $\pm 20$ % of the initial value
	tan $\delta$	$\leq 150$ % 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 ( $\mu$ F)	Case size (mm)		Size code	Specifications				Part number
			$\phi D$	L		Ripple* <sup>1</sup> current (mAr.m.s.)	ESR* <sup>2</sup> (m $\Omega$ max.)	tan $\delta$ * <sup>3</sup>	LC* <sup>4</sup> ( $\mu$ A)	
SXE	63	33	8.0	12.0	E12	2950	25	0.12	104	63SXE33M
	100	15	8.0	12.0		2350	40	0.12	75	100SXE15M

\*<sup>1</sup> Ripple current (100 kHz/ +105 °C) \*<sup>2</sup> ESR (100 kHz to 300 kHz/+20 °C) \*<sup>3</sup> tan  $\delta$  (120 Hz/+20 °C) \*<sup>4</sup> 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