

Surface Mount Type

OS-CON

Series : **SXV**



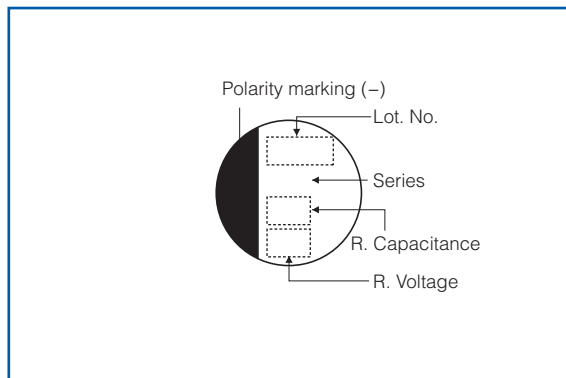
Features

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

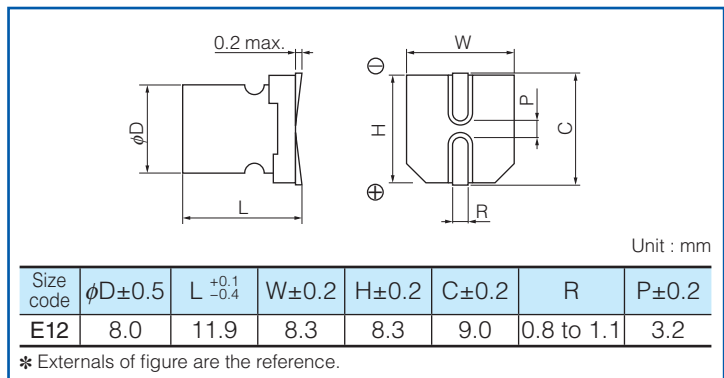
Specifications

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 μF to 33 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)



Characteristics list

Series	Rated voltage (V.DC)	Rated capacitance (μF)	Case size (mm)		Size code	Specifications				Standard (Reel size : φ380)	
			φD	L		Ripple* ¹ current (mAr.m.s.)	ESR* ² (mΩ max.)	tan δ* ³	LC* ⁴ (μA)	Part number	Min. Packaging Q'ty (pcs)
SXV	63	33	8.0	11.9	E12	2950	25	0.12	104	63SXV33M	400
	100	15	8.0	11.9		2350	40	0.12	75	100SXV15M	400

*1 Ripple current (100 kHz/ +105 °C), *2 ESR (100 kHz to 300 kHz/+20 °C) *3 tan δ (120 Hz/+20 °C) *4 After 2 minutes

◆ Please refer to each page in this catalog for "Reflow 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