

Surface
mount type

SXV Series



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

Specifications

Items	Specifications	
Size code	E12	
Category temperature range	-55 to +105 °C	
Rated voltage range	63 to 100 V.DC	
Rated capacitance range	15 to 33 μ F	
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, 5,000 h, rated voltage applied	
	$\Delta C/C$	Within ± 20 % of the initial value
	DF	≤ 1.5 times of the initial limit
	LC	Within the initial limit
Damp heat (Steady State)	60 °C, 90 to 95 %RH, 1,000 h, No-applied voltage	
	$\Delta C/C$	Within ± 20 % of the initial value
	DF	≤ 1.5 times of the initial limit
	LC	Within the initial limit (after voltage processing)

Marking and dimensions

	(unit : mm)							
	Size code	$\phi D \pm 0.5$	$L^{+0.1}_{-0.4}$	$W \pm 0.2$	$H \pm 0.2$	$C \pm 0.2$	R	$P \pm 0.2$
	E12	8.0	11.9	8.3	8.3	9.0	0.8~1.1	3.2

Characteristics list

Series	Rated voltage (V.DC)	Rated capacitance (μ F)	Case size (mm)		Size code	Specifications				Standard (Reel size : ϕ 380)	
			ϕD	L		Rated ripple current (mA rms) ※1	ESR ※2 (m Ω max.)	tan δ ※3	LC ※4 (μ A)	Part number	Min. Packaging Qty (pcs)
SXV	63	33	8.0	11.9	E12	2950	25	0.12	104.0	63SXV33M	400
	100	15	8.0	11.9	E12	2350	40	0.12	75.0	100SXV15M	400

※1: Rated 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 $\leq f < 1$ kHz	1 kHz $\leq f < 10$ kHz	10 kHz $\leq f < 100$ kHz	100 kHz $\leq f \leq 500$ kHz
Coefficient	0.05	0.3	0.7	1