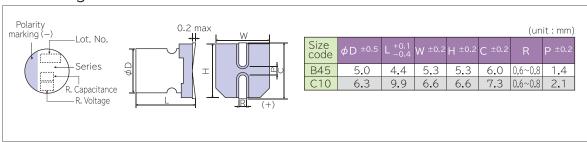


- •Low profile(Height 4.5 mm max.)
- •LowESR (8 to 30 m Ω)
- ●RoHS compliance, Halogen free

Specifications

Items	Specifications			
Size code	B4	15	C10	
Category temperature range	-55 to +105 ℃			
Rated voltage range	16 to 25 V.DC			
Rated capacitance range	15 to 47 μF		270 μF	
Capacitance tolerance	±20 %(120 Hz/+20 ℃)			
Leakage current	Please see the attached characteristics list			
Dissipation factor($tan \delta$)	Please see the attached characteristics list			
Endurance	105 ℃, 5,000 h, rated voltage applied			
	∆C/C	e initial value		
	DF	≦1.5 times of the initial limit		
	LC	Within the initial limit		
Damp heat (Steady State)	60 ℃, 90 to 95 %RH, 1,000 h, No-applied voltage			
	∆C/C	Within±20 % of the initial value		
	DF	≤ 1.5 times of the initial limit Within the initial limit (after voltage processing)		
	LC			

Marking and dimensions



Characteristics list

	Rated	Rated	Case size (mm)		Size	Specifications			Standard(Reel size: ϕ 380)		
Series	yoltage (V.DC)	capacitance (μF)	ϕ D			Rated ripple current (mArms) ※1	$\begin{array}{c} \text{ESR } \%2 \\ (\text{m}\Omega \text{ max.}) \end{array}$	tan δ %3	LC ※4 (μA)	Part number	Min. Packaging Q'ty (pcs)
	16	47	5.0	4.4	B45	3200	25	0.12	150.0	16SVPG47M	2500
SVPG		270	6 . 3	9.9	C10	5800	8	0.12	864.0	16SVPG270M	500
	20	33	5.0	4.4	B45	3000	27	0.12	132.0	20SVPG33M	2500
	25	15	5.0	4.4	B45	2800	30	0.12	75.0	25SVPG15M	2500

%1:Rated ripple current (100 kHz/ +105 $^{\circ}$ C), %2:ESR (100 kHz to 300 kHz/+20 $^{\circ}$ C) %3:tan δ (120 Hz/+20 $^{\circ}$ C) %4:After 2 minutes

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

 $[\]blacklozenge \textit{Please refer to each page in this catarog for "Reflow conditions" and "Taping specifications"} \ .$