



- Low profile (Height 5 mm max.)
- RoHS compliance, Halogen free

Specifications

Items	Specifications	
Size code	C5	C55
Category temperature range	-55 to +105 °C	
Rated voltage range	2.5 to 20 V.DC	
Rated capacitance range	15 to 120 μF	22 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, 1,000 h, rated voltage applied	
	ΔC/C	Within±20 % of the initial value (±30% for C5 size)
	DF	≤1.5 times of the initial limit
	LC	Within the initial limit
Damp heat (Steady State)	60°C, 90 to 95%RH, 1,000h, No-applied voltage	
	ΔC/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	φD ±0.5	L ^{+0.1} / _{-0.4}	W ±0.2	H ±0.2	C ±0.2	R	P ±0.2
C5	6.3	4.9	6.6	6.6	7.3	0.6~0.8	2.1
C55	6.3	5.4	6.6	6.6	7.3	0.6~0.8	2.1

Characteristics list

Series	Rated voltage (V.DC)	Rated capacitance (μF)	Case size (mm)		Size code	Specifications				Standard(Reel size : φ 380)	
			φD	L		Rated ripple current (mA rms) ※1	ESR ※2 (mΩ max.)	tan δ ※3	LC ※4 (μA)	Part number	Min. Packaging Qty (pcs)
SVPB	2.5	120	6.3	4.9	C5	1670	40	0.12	120	2R5SVPB120M	1300
	4.0	100	6.3	4.9	C5	1670	40	0.12	160	4SVPB100M	1300
	6.3	82	6.3	4.9	C5	1670	40	0.12	207	6SVPB82M	1300
	10	56	6.3	4.9	C5	1670	40	0.12	224	10SVPB56M	1300
	16	33	6.3	4.9	C5	1670	40	0.12	211	16SVPB33M	1300
	20	15	6.3	4.9	C5	2000	45	0.12	120	20SVPB15M	1300
		22	6.3	5.4	C55	2000	35	0.12	88	20SVPB22M	1000

※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 ≤ 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