

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Surface Mount Type

OS-CON

Series : **SVPK**

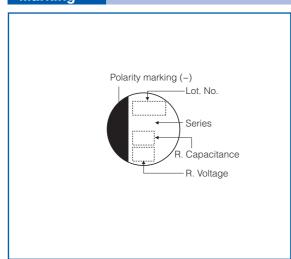


Features

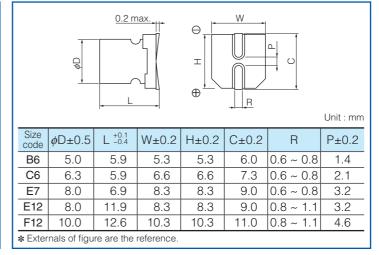
- High voltage (50 V.DC max.)
- RoHS compliance, Halogen free
- 125 °C 1000 h

Specifications								
Size code	B6	C6	E7	E12	F12			
Category temperature range	−55 °C to +125 °C							
Rated voltage range	25 V.DC to 50 V.DC							
Rated capacitance range	10 μF to 30 μF	22 μF to 82 μF	33 μF to 120 μF	68 μF to 270 μF	120 μF to 470 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	+125 °C, 1000 h, rated voltage applied							
	Capacitance change	Within ±20 % of the initial value						
	tan δ	≤ 200 % 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	nt Within the initial limit (after voltage processing)						

Marking



Dimensions (not to scale)





Panasonic Conductive Polymer Aluminum Solid Capacitors

Characteristics list												
	Rated voltage (V.DC)	Rated capacitance (µF)	Case size (mm)			Specifications				Standard (Reel size : ϕ 380)		
Series			φD	L	Size code	Ripple*1 current (mAr.m.s.)	Allowable*1 ripple current (mAr.m.s.)	ESR *2 (m Ω max.)	tan δ^{*3}	LC*4 (µA)	Part number	Min. Packaging Q'ty (pcs)
		33	5.0	5.9	В6	820	2600	35	0.12	165	25SVPK33M	1500
		82	6.3	5.9	C6	960	3060	25	0.12	410	25SVPK82M	1000
	25	120	8.0	6.9	E7	1010	3200	24	0.12	600	25SVPK120M	1000
		270	8.0	11.9	E12	1470	4650	16	0.12	1350	25SVPK270M	400
		470	10.0	12.6	F12	1590	5000	14	0.12	2350	25SVPK470M	400
	35	22	5.0	5.9	В6	820	2600	35	0.12	154	35SVPK22M	1500
		47	6.3	5.9	C6	930	2950	27	0.12	329	35SVPK47M	1000
		82	8.0	6.9	E7	960	3060	25	0.12	574	35SVPK82M	1000
		180	8.0	11.9	E12	1260	4000	20	0.12	1260	35SVPK180M	400
		330	10.0	12.6	F12	1390	4400	18	0.12	2310	35SVPK330M	400
		10	5.0	5.9	B6	550	1750	80	0.12	100	50SVPK10M	1500
	50	22	6.3	5.9	C6	820	2600	35	0.12	220	50SVPK22M	1000
		33	8.0	6.9	E7	850	2700	35	0.12	330	50SVPK33M	1000
		68	8.0	11.9	E12	1200	3800	25	0.12	680	50SVPK68M	400
		120	10.0	12.6	F12	1350	4300	20	0.12	1200	50SVPK120M	400

^{\$1} Ripple current (100 kHz/+105 °C < Tx ≤ +125 °C) /Allowable ripple current (100 kHz/Tx ≤ +105 °C), \$2 ESR (100 kHz to 300 kHz/+20 °C) *****3 tan δ (120 Hz/+20 °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				

[◆] Please refer to each page in this catarog for "Reflow conditions" and "Taping specifications".