



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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FPCAP Functional Polymer Aluminum Solid Electrolytic Capacitors

SL & SH series

Features

By using Functional Polymer cathode, Frequency & Temp. characteristics are greatly improved.

- Low ESR at a high frequency range.
- High ripple current capability.
- Low profile type. (Height : 4.5mmMax. & 5mmMax.)

Applications

- Switching Power Supply and DC/DC Converter.
- Buck up Power Supplies of CPU(VRM etc.)
- Miniature high Power Supply.

Environmental Correspondence

- Any environmental hazardous substances are not used.
- The lead free of terminal plating (Sn 100%)

Specifications

Items	Characteristic SL & SH	
Operating temp. range	-55 to +105°C	
Rated voltage range	2.5 to 16V-dc	
Capacitance range	15 to 390μF	
Capacitance tolerance	±20% (M)	
Endurance	Test condition	105°C, rated voltage 2000Hrs.
	Capacitance	Within ±20% of initial value before test
	Leakage current	Not to exceed the initial specified value
	ESR	Not to exceed 150% of initial specified value
	tan δ	Not to exceed 150% of initial specified value
Failure Rate	0.5% / 1000Hrs. Max (60%CL)	

Size (ESR) List

R.V. (S.V.) Cap. [μF]	[φD×L (mΩ)]					
	2.5 (2.8)		6.3 (7.2)		16 (18.4)	
	SL	SH	SL	SH	SL	SH
15					6.3x4.2 (45)	
100	6.3x4.2 (16)		6.3x4.2 (18)			
150			6.3x4.2 (18)			
220	6.3x4.2 (16)		6.3x4.2 (18)			
270				6.3x4.7 (20)		
330	6.3x4.2 (16)					
390		6.3x4.7 (20)				

Low Profile

4.5mmMax
5.0mmMax

φ6.3

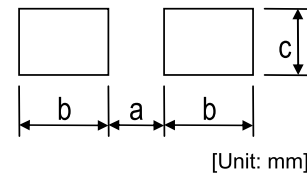
Large Capacitance

Lead-free

RoHS Compliance

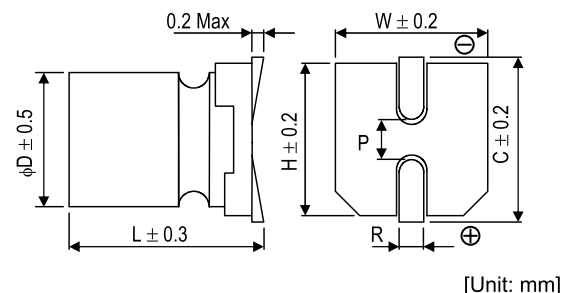


Recommended land pattern



φD	a	b	c
6.3	2.1	3.5	1.6

Dimensions



φD×L	W	H	C	R	P
6.3×4.2	6.5	6.5	7.2	0.5 to 0.9	2.1
6.3×4.7	6.5	6.5	7.2	0.5 to 0.9	2.1

● Part number & Specifications

Rated Voltage (V)	Rated Capacitance (μ F, 120Hz)	Part Number		Leakage Current * (μ A, 2 min)	tan δ (120Hz)	ESR (m Ω , 100kHz)	Rated Ripple Current (mA, r.m.s.)	Case Size ϕ D \times L(mm)
		NICHICON	FPCAP					
2.5	100	RSL0E101MCN1GB	FP-2R5ME101M-SLR	300	0.12	16	3500	6.3 \times 4.2
	220	RSL0E221MCN1GB	FP-2R5ME221M-SLR	300	0.12	16	3500	6.3 \times 4.2
	330	RSL0E331MCN1GB	FP-2R5ME331M-SLR	413	0.12	16	3500	6.3 \times 4.2
	390	RSH0E391MCN1GB	FP-2R5ME391M-SHR	488	0.12	20	3000	6.3 \times 4.7
6.3	100	RSL0J101MCN1GB	FP-6R3ME101M-SLR	315	0.12	18	3200	6.3 \times 4.2
	150	RSL0J151MCN1GB	FP-6R3ME151M-SLR	473	0.12	18	3200	6.3 \times 4.2
	220	RSL0J221MCN1GB	FP-6R3ME221M-SLR	693	0.12	18	3200	6.3 \times 4.2
	270	RSH0J271MCN1GB	FP-6R3ME271M-SHR	851	0.12	20	3000	6.3 \times 4.7
16	15	RSL1C150MCN1GB	FP-016ME150M-SLR	300	0.12	45	1900	6.3 \times 4.2

* In case of some doubt about measured values, measure after applying rated voltage for 120 minutes at 105°C.

● Part Number (EX) 2.5V, 330 μ F, SL series

R	SL	0E	331	M	CN	1	GB
Type	Series name	Rated Voltage	Rated Capacitance	Capacitance Tolerance	Configuration	Control code	Taping code