

FPCAP Functional Polymer Aluminum Solid Electrolytic Capacitors

SL series

Low Profile	4.5mmMax	φ6.3
Large Capacitance	Lead-free	RoHS Compliance

● 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.)

● Applications

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

● Environmental Correspondence

Corresponding to Lead-free, RoHS compliance and Halogen-free.

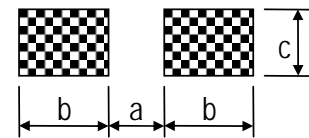
- The Lead-free of terminal plating (Sn)



● Specifications

Items	Characteristic	
	SL	
Operating temp. range	-55 to +105°C	
Rated voltage range	2.5 to 25V-dc	
Capacitance range	15 to 330μF	
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)	

● Recommended land pattern



[Unit: mm]

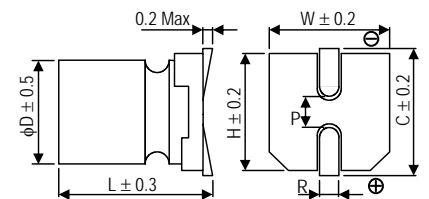
φD	a	b	c
6.3	2.1	3.5	1.6

● Size (ESR) List

[φD×L (mΩ)]

Cap. [μF]	R.V. (S.V.) [M]			
	2.5 (2.8)	6.3 (7.2)	16 (18.4)	25 (28.7)
15			6.3×4.2 (45)	6.3×4.2 (55)
100	6.3×4.2 (16)	6.3×4.2 (18)		
150		6.3×4.2 (18)		
220	6.3×4.2 (16)	6.3×4.2 (18)		
330	6.3×4.2 (16)			

● Dimensions



[Unit: mm]

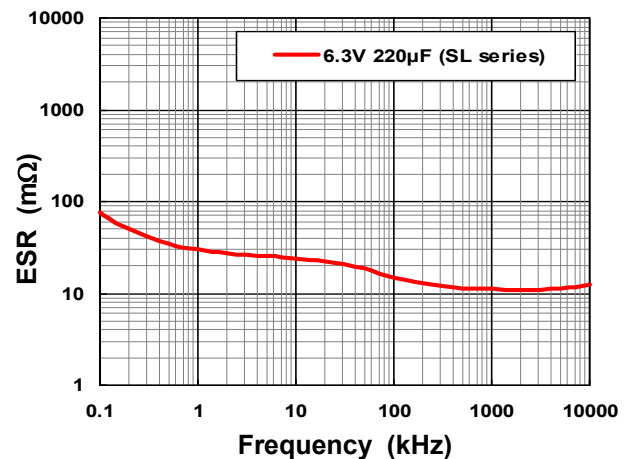
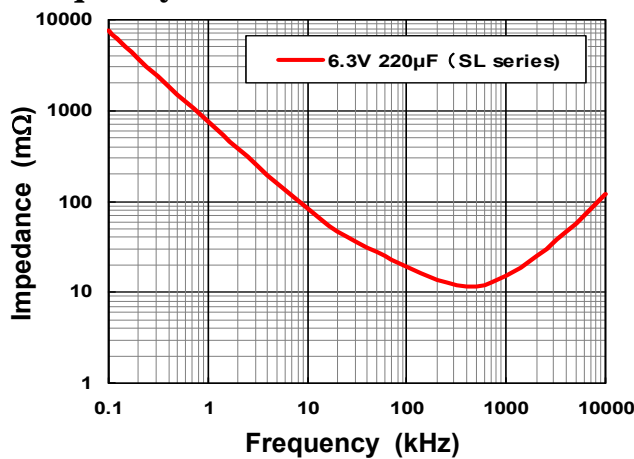
φD×L	W	H	C	R	P
6.3×4.2	6.5	6.5	7.2	0.5 to 0.9	2.1

● Part number & Specifications

Rated Voltage (V)	Rated Capacitance (μF, 120Hz)	Part Number		Leakage Current * (μA, 2 min)	tanδ (120Hz)	ESR (mΩ, 100kHz)	Rated Ripple Current (mA, r.m.s.)	Case Size φD×L(mm)
		NICHICON	FPCAP					
2.5	100	RSL0E101MCN1GB	FP-2R5ME101M-SLR	300	0.12	16	3500	6.3 × 4.2
	220	RSL0E221MCN1GB	FP-2R5ME221M-SLR	300	0.12	16	3500	6.3 × 4.2
	330	RSL0E331MCN1GB	FP-2R5ME331M-SLR	413	0.12	16	3500	6.3 × 4.2
6.3	100	RSL0J101MCN1GB	FP-6R3ME101M-SLR	315	0.12	18	3200	6.3 × 4.2
	150	RSL0J151MCN1GB	FP-6R3ME151M-SLR	473	0.12	18	3200	6.3 × 4.2
	220	RSL0J221MCN1GB	FP-6R3ME221M-SLR	693	0.12	18	3200	6.3 × 4.2
16	15	RSL1C150MCN1GB	FP-016ME150M-SLR	300	0.12	45	1900	6.3 × 4.2
25	15	RSL1E150MCN1GB	FP-025ME150M-SLR	100	0.12	55	1700	6.3 × 4.2

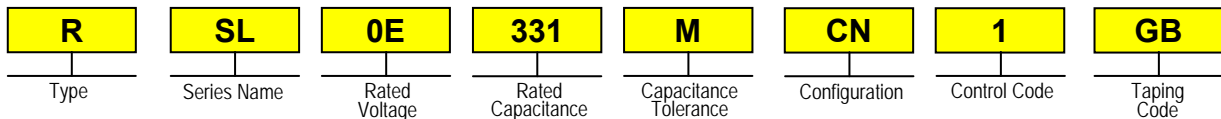
* In case of some doubt about measured values, measure after applying rated voltage for 120 minutes at 105°C.

● Frequency Characteristics



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

Nichicon P/N



FPCAP P/N

