

## Surface Mount Type

# SP-Cap

Series: **SL**

**Old series**



### ■ Features

- Low-ESR (9 mΩ)
- Excellent Noise-absorbent Characteristics
- High Ripple Current
- RoHS directive compliant

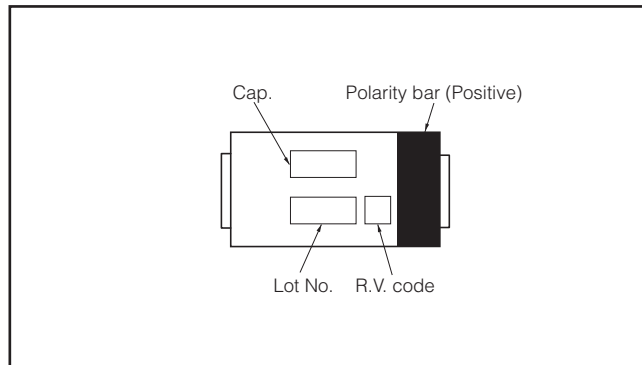
### [Our Requests]

Since this series is old, we don't recommend you to adopt it but SX series for your new design.

### ■ Specifications

Series & Size Code	SL			
Category Temp. Range	-40 °C to +105 °C			
Rated Voltage Range	2 V.DC to 6.3 V.DC			
Nominal Cap. Range	56 μF to 220 μF			
Capacitance Tolerance	±20 %			
DC Leakage Current	Reflow 240 °C : I ≤ 0.04 CV (μA) 2 minutes (6.3 V.DC) Reflow 260 °C : I ≤ 0.1 CV (μA) 2 minutes			
tan δ	≤ 0.06 (120 Hz/+20 °C)			
Surge Voltage	Rated Voltage × 1.25 (15 °C to 35 °C)			
Endurance	After applying rated voltage for 1000 hours at 105 °C±2 °C, and then being stabilized at +20 °C, capacitor shall meet the following limits.			
	Capacitance change	±10% of initial measured value		
	tan δ	≤ Initial specified value		
	DC leakage current	≤ Initial specified value		
Moisture resistance	After storing for 500 hours at 60 °C, 90 %			
	Capacitance change of initial measured value	2, 2.5 V.DC	4 V.DC	6.3 V.DC
		+70, -20 %	+60, -20 %	+50, -20 %
	tan δ	≤ 200 % of initial specified value		
	DC leakage current	≤ Initial specified value		

### ■ Marking



### ■ Dimensions in mm(not to scale)

(Unit : mm)

Series & Size Code	L±0.2	W1±0.2	W2±0.1	H	P±0.3
SL	7.3	4.3	2.4	1.8±0.1	1.3

\* Externals of figure are the reference.

### ■ Low ESR Products

Series & Size Code	Rated Voltage (V.DC)	Capacitance (±20 %) (μF)	Case Size			Specification		Part number	Reflow <sup>*3</sup>		Min. Packaging Q'ty (pcs)
			L (mm)	W (mm)	H (mm)	Ripple current <sup>*1</sup> (Ar.m.s.)	ESR <sup>*2</sup> (mΩ max.)		240 °C <sup>*4</sup>	260 °C	
SL	2	100	7.3	4.3	1.8	3.0	9	EEFSL0D101ER	—	○	3500
		120	7.3	4.3	1.8	3.0	9	EEFSL0D121ER	—	○	3500
		150	7.3	4.3	1.8	3.0	9	EEFSL0D151ER	—	○	3500
		180	7.3	4.3	1.8	3.0	9	EEFSL0D181ER	—	○	3500
		220	7.3	4.3	1.8	3.0	9	EEFSL0D221ER	—	○	3500
	2.5	100	7.3	4.3	1.8	3.0	9	EEFSL0E101ER	—	○	3500
		120	7.3	4.3	1.8	3.0	9	EEFSL0E121ER	—	○	3500
		150	7.3	4.3	1.8	3.0	9	EEFSL0E151ER	—	○	3500
	4	82	7.3	4.3	1.8	3.0	9	EEFSL0G820ER	—	○	3500
	6.3	56	7.3	4.3	1.8	3.0	9	EEFSL0J560R	○	—	3500

\*1: Ripple current (100 kHz/ +20 to +105 °C), \*2: ESR (100 kHz/+20 °C)

\*3: Please refer to the page of "Mounting Specifications".

\*4: Please contact Panasonic for details of allowable 240 °C reflow condition.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Aluminum Organic Polymer Capacitors](#) category:*

*Click to view products by [Panasonic](#) manufacturer:*

Other Similar products are found below :

[D38999/20WJ43SN-LC](#) [750-1809](#) [176P12](#) [SEAU0A0102G](#) [BTM-16-513](#) [MS3470W8-33P L/C](#) [MAL218497801E3](#) [MAL218397005E3](#)  
[MAL218297003E3](#) [MAL218397603E3](#) [MAL218497701E3](#) [MAL218697502E3](#) [MAL218397102E3](#) [MAL218497902E3](#) [MAL218497804E3](#)  
[MAL218297001E3](#) [MAL218697005E3](#) [MAL218697509E3](#) [MAL218397806E3](#) [MAL218297603E3](#) [MAL218397604E3](#) [MAL218697106E3](#)  
[MAL218297005E3](#) [MAL218397106E3](#) [MAL218297103E3](#) [MAL218697108E3](#) [MAL218497903E3](#) [MAL218497703E3](#) [MAL218297701E3](#)  
[MAL218297101E3](#) [MAL218397104E3](#) [MAL218397801E3](#) [MAL218297604E3](#) [MAL218697601E3](#) [MAL218697554E3](#) [MAL218697607E3](#)  
[MAL218397805E3](#) [MAL218297105E3](#) [MAL218397702E3](#) [MAL218697104E3](#) [MAL218297702E3](#) [MAL218497901E3](#) [MAL218497806E3](#)  
[MAL218697001E3](#) [ECASD31A686M040KA0](#) [ECASD40J157M015K00](#) [ECASD41E336M040KA0](#) [ECASD60E477M006K00](#)  
[ORZ102M0JBK-0808](#) [OVZ221M1CTR-0608ACS](#)