

Surface Mount Type

SP-Cap

Series: L



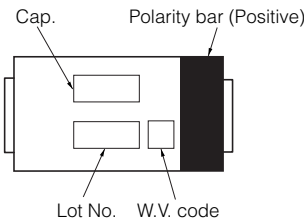
- Features

 - Low ESL by structure of SP-Cap 50% ESL of current products
 - Super Low-ESR (4.5 mΩ)
 - High temperature reflow soldering applicable
(Peak : 260 °C 10s, main heating : 230 °C 40s)
 - RoHS directive compliant

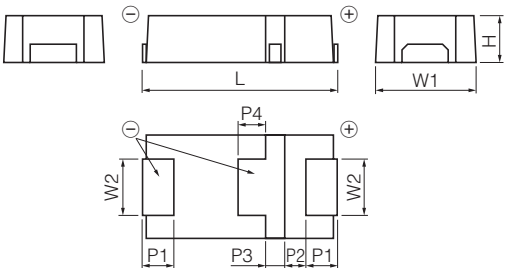
■ Specifications

Category Temp. Range	-40 °C to +105 °C		
Rated W.V.Range	2 V.DC		
Nominal Cap.Range	330 μF to 560 μF		
Capacitance Tolerance	±20 % (120 Hz/+20 °C)		
DC Leakage Current	I ≤ 0.1 CV (μA) 2 minutes		
tan δ	≤ 0.06 (120 Hz/+20 °C)		
Surge Voltage	Rated Working Voltage × 1.25 (15 °C to 35 °C)		
Endurance	After applying rated working 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 measurd value	2 V.DC	
		+70, -20 %	
	tan δ	≤ 200 % of initial specified value	
	DC leakage current	≤ Initial specified value	

■ Marking



■ Dimensions in mm(not to scale)



(mm)

L±0.2	W1±0.2	H±0.2	W2±0.1	P1±0.3	P2±0.1	P3±0.2	P4±0.2
7.3	4.3	1.9	2.4	1.3	1.1	0.7	1.4

* Externals of figure are the reference.

■ Standard Products

Series & Size Code	Rated W.V. (V.DC)	Capacitance (±20 %) (μF)	Case Size			Specification		Part number		Min. Packaging Q'ty (pcs)
			L (mm)	W (mm)	H (mm)	*1 Ripple current (Ar.m.s.)	*2 ESR (mΩ max.)	*3 Reflow condition : 240 °C	*3 Reflow condition : 260 °C [Proposal]	
LX	2	330	7.3	4.3	1.9	3.5	6	—	EEFLX0D331R	3500
			7.3	4.3	1.9	3.8	4.5	—	EEFLX0D331R4	3500
		470	7.3	4.3	1.9	3.5	6	—	EEFLX0D471R	3500
			7.3	4.3	1.9	3.8	4.5	—	EEFLX0D471R4	3500
		560	7.3	4.3	1.9	3.5	6	—	EEFLX0D561R	3500
			7.3	4.3	1.9	3.8	4.5	—	EEFLX0D561R4	3500

*1: Ripple current (100 kHz/ +20 to +105 °C), *2: ESR (100 kHz/+20 °C)
 *3: Please confirm EE25 in detail of the Mouting Specifications.