

Surface Mount Type

SP-Cap

Series: **L**



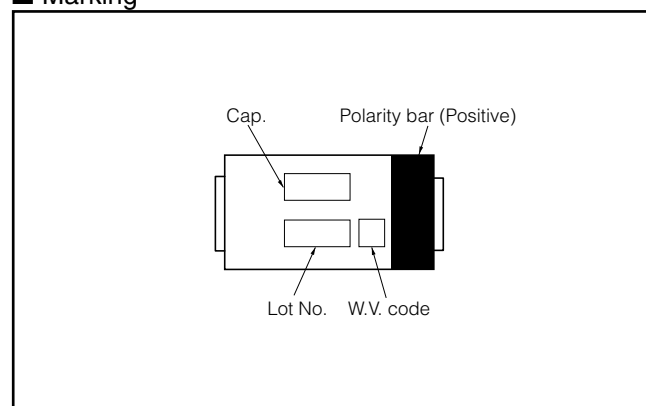
■ Features

- 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

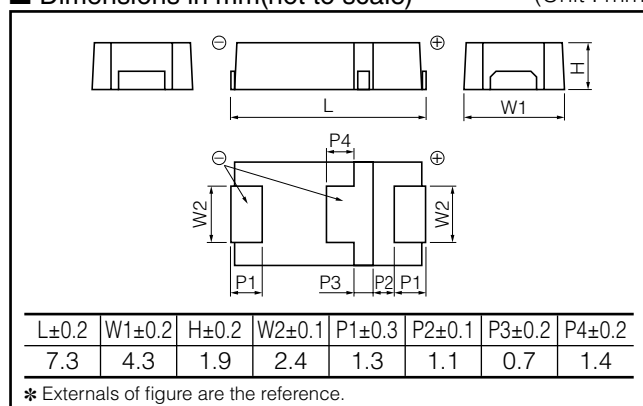
Category Temp. Range	-40 °C to +105 °C	
Rated W.V.Range	2 to 2.5 V.DC	
Nominal Cap.Range	330 μF to 560 μF	
Capacitance Tolerance	±20 % (120 Hz/+20 °C)	
DC Leakage Current	I ≤ 0.1 CV (μA) 2 minutes	
tan δ	≤ 0.06 (120 Hz/+20 °C)	
Surge Voltage	Rated Working Voltage × 1.25 (15 °C to 35 °C)	
Endurance	After 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 to 2.5 V.DC +70, -20 %
	tan δ	≤ 200 % of initial specified value
	DC leakage current	≤ Initial specified value

■ Marking



■ Dimensions in mm(not to scale)

(Unit : mm)



■ 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)	Ripple current *1 (Ar.m.s.)	ESR *2 (mΩ max.)		
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
	2.5	330	7.3	4.3	1.9	3.5	6	EEFLX0E331R	3500
			7.3	4.3	1.9	3.8	4.5	EEFLX0E331R4	3500
		470	7.3	4.3	1.9	3.5	6	EEFLX0E471R	3500
			7.3	4.3	1.9	3.8	4.5	EEFLX0E471R4	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".

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.

01 Oct. 2013