

Surface Mount Type SP-Cap

Series: LX (Low ESR / Low ESL Products)

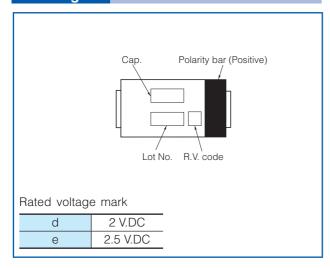


Features

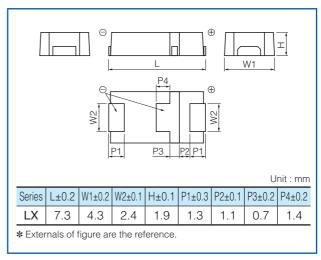
- Large capacitance (560 µF max.)
- Low ESR (4.5 m Ω , 6 m Ω)
- Low ESL (3-terminals : 50 % less than 2-terminals)
- High ripple current (8500 mAr.m.s. max.)
- RoHS compliance, Halogen free

Specifications						
Series	LX					
Category temp. range	−55 °C to +105 °C					
Rated voltage range	2 V.DC 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					
Dissipation factor (tan δ)	≤ 0.06 (120 Hz/+20 °C)					
Surge voltage (V.DC)	Rated voltage × 1.25 (15 °C to 35 °C)					
Endurance	+105 °C, 2000 h, rated voltage applied					
	Capacitance change	Within ±20 % of the initial value				
	$ an \delta$	≤ 2 times of the initial limit				
	DC leakage current	≤ 3 times of the initial limit				
Damp heat (Steady state)	+60 °C, 90 %, 500 h, No-applied voltage					
	Capacitance change of	2 V.DC to 2.5 V.DC				
	initial measurd value	+70 %, -20 %				
	$ an \delta$	≤ 2 times of the initial limit				
	DC leakage current	Within the initial limit				

Marking



Dimensions (not to scale)





Conductive Polymer Aluminum Electrolytic Capacitors

Characteristics list

								Reflow *3	<standard></standard>
Series	Rated voltage (V.DC)	Capacitance (±20 %) (µF)	Case size (mm)			Specification			Min.*4
			L	W	Н	Ripple current (mAr.m.s.)	ESR $(m\Omega \max.)$	Part number	Packaging Q'ty (pcs)
LX		330	7.3	4.3	1.9	7500	6	EEFLX0D331R	3500
			7.3	4.3	1.9	8500	4.5	EEFLX0D331R4	3500
	2	470	7.3	4.3	1.9	7500	6	EEFLX0D471R	3500
		470	7.3	4.3	1.9	8500	4.5	EEFLX0D471R4	3500
		560	7.3	4.3	1.9	7500	6	EEFLX0D561R	3500
			7.3	4.3	1.9	8500	4.5	EEFLX0D561R4	3500
	2.5	330	7.3	4.3	1.9	7500	6	EEFLX0E331R	3500
			7.3	4.3	1.9	8500	4.5	EEFLX0E331R4	3500
		470	7.3	4.3	1.9	7500	6	EEFLX0E471R	3500
			7.3	4.3	1.9	8500	4.5	EEFLX0E471R4	3500

^{*1:} Ripple current (100 kHz/ +45°C), *2: ESR (100 kHz/+20 °C)

^{*4:} Please contact us when 500 pcs packing is necessary.

Temperature compensation multipliers for ripple current							
Temp.	T ≦ 45 °C	45 °C < T ≦ 85 °C	85 °C < T ≦ 105 °C				
Coefficient	1.0	0.7	0.25				

^{*3:} Please refer to the page of "Mounting Specifications".



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