

Surface Mount Type

LX series [Low ESR / Low ESL products]



SP-Cap

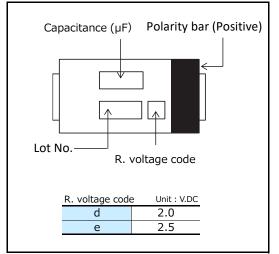
Features

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

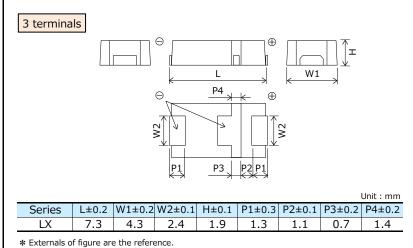
Specifications

Series	LX					
Category temp. range	−55 °C to +105 °C					
Rated voltage range	2.0 V.DC to 2.5 V.DC					
Nominal cap. range	330 μF to 560 μF					
Capacitance tolerance	±20 % (120 Hz / +20 ℃)					
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 ℃ to 35 ℃)					
Endurance	+105 °C ± 2 °C, 2000 h, rated voltage applied					
	Capacitance change	Within ±20 % of the initial value				
	Dissipation factor (tan δ)	≤ 2 times of the initial limit				
	DC leakage current	≤ 3 times of the initial limit				
Damp heat (Steady state)	+60 ℃, 90 %, 500 h, No-applied voltage					
	Capacitance change of	2.0 V.DC to 2.5 V.DC				
	initial measurd value	+70 %, -20 %				
	Dissipation factor (tan δ)	≤ 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

Series	Rated	Capacitance (μF)	Case size (mm)			Specification			Min.
	voltage (V.DC)		L	W	Н	Ripple current*1 (mA r.m.s.)	ESR ^{*2} (mΩ max.)	Part number	Packaging Q'ty*3 (pcs)
2.0 LX 2.5		330	7.3	4.3	1.9	7500	6	EEFLX0D331R	3500
			7.3	4.3	1.9	8500	4.5	EEFLX0D331R4	3500
	2.0	470	7.3	4.3	1.9	7500	6	EEFLX0D471R	3500
	2.0		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 $^{\circ}$ C)

[♦] Please refer to each page in this catarog for "Reflow conditions" and "Taping specifications".

Temperature coefficient of ripple current								
Temperature	T ≦ 45 °C	45 °C < T ≦ 85 °C	85 °C < T ≦ 105 °C					
2.0 V.DC to 2.5 V.DC Coefficient	1.0	0.7	0.25					

[•] Ripple current should be controlled so that surface temperature of capacitor does not exceed the category temperature.

^{*2:} ESR (100 kHz / +20 $^{\circ}$ C)

^{*3:} Please contact us when 500 pcs packing is necessary.



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