Surface Mount Type SP-Cap

Series : LX (Low ESR / Low ESL Products)

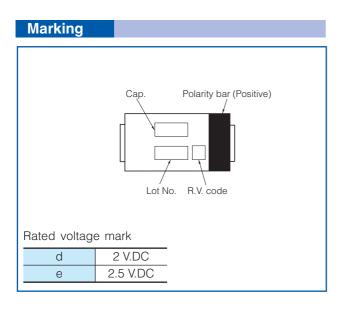


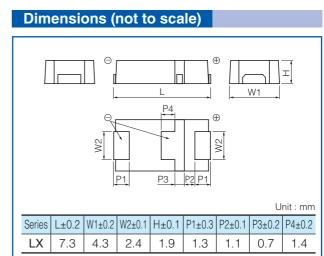
Features

- 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

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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	e Within ±20 % of the initial value				
	tan δ	≤ 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 %				
	tan δ	≤ 2 times of the initial limit				
	DC leakage current	Within the initial limit				





 $\boldsymbol{\ast}$ Externals of figure are the reference

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.

Panasonic Conductive Polymer Aluminum Electrolytic Capacitors

Characteristics list

Reflow *3 <standard></standard>									
Series voltage		Capacitance (±20 %) (µF)	Case size (mm)			Specification			Min.*4
	Rated voltage (V.DC)		L	W	Н	*1 Ripple current (mAr.m.s.)	¥2 ESR (mΩ max.)	Part number	Packaging Q'ty (pcs)
2 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	
	470	7.3	4.3	1.9	7500	6	EEFLX0D471R	3500	
		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	
		330	7.3	4.3	1.9	7500	6	EEFLX0E331R	3500
	25	330	7.3	4.3	1.9	8500	4.5	EEFLX0E331R4	3500
	2.0	470	7.3	4.3	1.9	7500	6	EEFLX0E471R	3500
		470	7.3	4.3	1.9	8500	4.5	EEFLX0E471R4	3500

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

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

*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

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