Surface Mount Type SP-Cap



Series : SR, LR, SS, LS, ST, LT

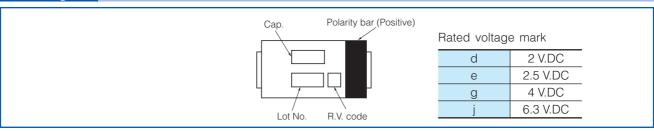
Features

- Low profile (Height 1.0 mm max.)
- Low ESR (4.5 m Ω to 9 m Ω)
- Low ESL (3-terminals : 50% less then 2-terminals) [LR, LS, LT series]
- High ripple current (8500 mAr.m.s. max.)
- RoHS compliance, Halogen free

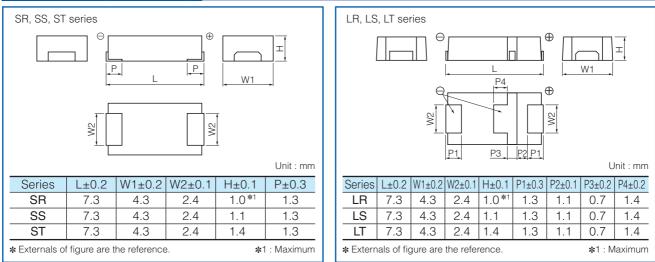
Specifications

Specifications								
Series	SR	LR	SS	LS	ST	LT		
Category temp. Range	–55 °C to +105 °C							
Rated voltage range	2 V.DC to 6.3 V.I	C	2 V.DC to 2.5 V.DC					
Nominal cap.Range	68 µF to 220µ	F	180 µF t	270 µF	270 µF to 330 µF			
Capacitance tolerance	±20 % (120 Hz / + 20 °C)							
DC leakage current	l ≤ 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							
	tan δ \leq 2 times of the initial limit							
	DC leakage current	≦ 3 tim	es of the initial lin	nit				
	+60 °C, 90 %, 500 h, No-applied voltage							
Damp heat (Steady state)	Capacitance change	of 2 V.	DC to 2.5 V.DC	4 V.DC		6.3 V.DC		
	initial measurd value	+	70 %, –20 %	+60 %, -2	0 %	+50 %, -20 %		
	tan δ	≤ 2 times of the initial limit						
	DC leakage current	Within	Within the initial limit					

Marking



Dimensions (not to scale)



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 v		Capacitance (±20 %) (µF)	Case size (mm)			Specification		The number			Min.*4
			L	W	н	*1 Ripple current (mAr.m.s.)	*2 ESR (mΩ max.)	term 2	of inals 3	Part number	Packaging Q'ty (pcs)
	0	220	7.3	4.3	1.0 max.	7500	6	0		EEFSR0D221R	3500
	2		7.3	4.3	1.0 max.	8500	4.5	0		EEFSR0D221R4	3500
00	0 E	100	7.3	4.3	1.0 max.	7500	6	0		EEFSR0E181R	3500
SR 2.5	2.5	180	7.3	4.3	1.0 max.	8500	4.5	0		EEFSR0E181R4	3500
	4	120	7.3	4.3	1.0 max.	6300	9	0		EEFSR0G121R	3500
	6.3	68	7.3	4.3	1.0 max.	6300	9	0		EEFSR0J680R	3500
	2	220	7.3	4.3	1.0 max.	7500	6		0	EEFLR0D221R	3500
	2		7.3	4.3	1.0 max.	8500	4.5		0	EEFLR0D221R4	3500
LR	2.5	180	7.3	4.3	1.0 max.	7500	6		0	EEFLR0E181R	3500
LN	2.0		7.3	4.3	1.0 max.	8500	4.5		0	EEFLR0E181R4	3500
	4	120	7.3	4.3	1.0 max.	6300	9		0	EEFLR0G121R	3500
	6.3	68	7.3	4.3	1.0 max.	6300	9		0	EEFLR0J680R	3500
SS	2	220	7.3	4.3	1.1	7500	6	0		EEFSS0D221R	3500
	2.5	180	7.3	4.3	1.1	7500	6	0		EEFSS0E181R	3500
LS	2	220	7.3	4.3	1.1	7500	6		0	EEFLS0D221R	3500
LS	2.5	180	7.3	4.3	1.1	7500	6		0	EEFLS0E181R	3500
ST —	2	330	7.3	4.3	1.4	7500	6	0		EEFST0D331R	3500
	2.5	270	7.3	4.3	1.4	7500	6	0		EEFST0E271R	3500
LT	2	330	7.3	4.3	1.4	7500	6		0	EEFLT0D331R	3500
	2.5	270	7.3	4.3	1.4	7500	6		0	EEFLT0E271R	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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