

Functional Polymer Aluminum Solid Electrolytic Capacitors

RE series LS Type

Low ESR

Low Profile

Sleeveless

Lead Free

RoHS Compliance

Low-profile



● Features

The Anode is Aluminum foil and the Cathode is a Functional Polymer formed.

- Low ESR at a high frequency range.
- High reliability and high heat range.
- Long life and high reliability.(Reliability:0.1%/1000Hrs)

● Applications

- Switching Power Supply and DC/DC Converter.
- Buck up Power Supplies of CPU(VRM etc.)
- Miniature high Power Supply.

● Environmental Correspondence

Any environmental hazardous substances are not used.

- The lead free of terminal plating (Sn 100%)

● Specifications

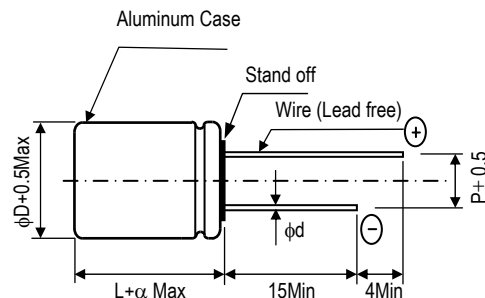
Items		Characteristics
		LS Type
Operating Temp. Range		-55 to +105°C
Rated Voltage Range		4.0 to 25 V _{DC}
Capacitance Range		33 to 820 μF
Capacitance Tolerance		±20% (M)
Endurance	Condition	105°C 2000Hrs at rated voltage
	Capacitance	Within ±20% of the initial value before test
	Leakage Current	Not to exceed the initial specified value
	tan δ	Not to exceed 150% of the initial specified value
Reliability		0.1% / 1000Hrs. Max (60%CL)
Others		JIS-C-5101-4

● Size List

(φ D×L)

Cap(μF) R.V.(V) S.V.(V)	4.0	6.3	10	16	20	25
		4.6	7.2	11.5	18.4	23.0
22						
33						10×10.5
47						10×10.5
68						
100					10×10.5	
150				10×10.5		
220			10×10.5			
330		10×10.5		10×10.5		
390						
470			10×10.5			
560						
680		10×10.5				
820	10×10.5					

● Dimensions



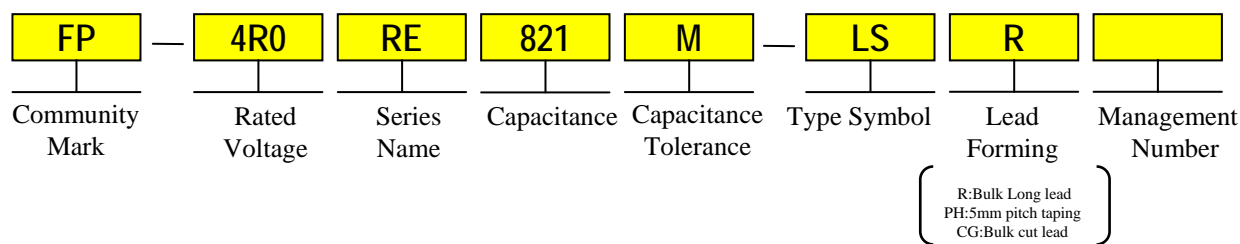
(Unit : mm)

φ D×L	φ d	P	α
10×10.5	0.6	5.0	1.0

● Part number & Specifications

Rated Voltage (V)	Capacitance (μ F, 120Hz)	Part Number	Leakage Current (μ A, 2 min)	$\tan\delta$ (120Hz)	ESR (m Ω , 100kHz)	Maxmun permissible Ripple Current (mA, r.m.s.)	Case Size Φ D \times L(mm)
4.0	820	FP-4R0RE821M-LS□□	328.0	0.080	12	5040	10 \times 10.5
6.3	330	FP-6R3RE331M-LS□□	41.58	0.070	25	3500	10 \times 10.5
	680	FP-6R3RE681M-LS□□	428.4	0.080	13	4840	10 \times 10.5
10	220	FP-010RE221M-LS□□	44.00	0.070	27	3370	10 \times 10.5
	470	FP-010RE471M-LS□□	470.0	0.080	15	4510	10 \times 10.5
16	150	FP-016RE151M-LS□□	48.00	0.060	28	3260	10 \times 10.5
	330	FP-016RE331M-LS□□	792.0	0.080	17	4580	10 \times 10.5
20	100	FP-020RE101M-LS□□	40.00	0.060	30	3210	10 \times 10.5
25	33	FP-025RE330M-LS□□	16.50	0.060	35	2900	10 \times 10.5
	47	FP-025RE470M-LS□□	23.50	0.060	35	2980	10 \times 10.5

● Part Number (EX) 4V820 μ F



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