

## Functional Polymer Aluminum Solid Electrolytic Capacitors

### RE series L8 Type

Ultra Low ESR

Low Profile

Sleeveless

Lead Free

RoHS Compliance

# UPDATE



### ● Features

- By using Functional Polymer cathode, Frequency & Temp. characteristics are greatly improved.
- Low ESR at a high frequency range.
  - High ripple current capability.
  - 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%)

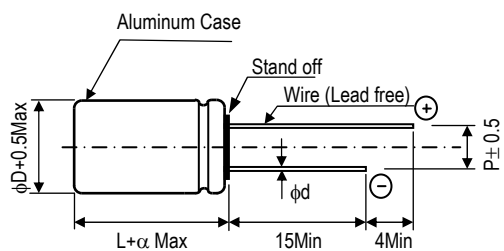
### ● Specifications

Items		Characteristics
		L8 Type
Operating Temp. Range		- 55 to + 105°C
Rated Voltage Range		2.5 to 6.3 V <sub>DC</sub>
Capacitance Range		470 to 1000 $\mu$ F
Capacitance Tolerance		$\pm$ 20% (M)
Endurance	Condition	105°C 2000Hrs at rated voltage
	Capacitance	Within $\pm$ 20% of the value before test
	Leakage Current	Not to exceed the value specified
	$\tan \delta$	Not to exceed 150% of the value specified
Reliability		0.1% / 1000Hrs. Max (60%CL)
Others		JIS-C-5101-4

### ● Size List

Cap( $\mu$ F)	$(\phi D \times L)$					
	R.V.(V) S.V.(V)	2.5	4.0	6.3	10	16
150	2.8					
180						
220						
390						
470				8x8		
560	8x8	8x8	8x8	8x8		
680			8x8			
820	8x8	8x8				
1000	8x8					
1200						
1500						

### ● Dimensions



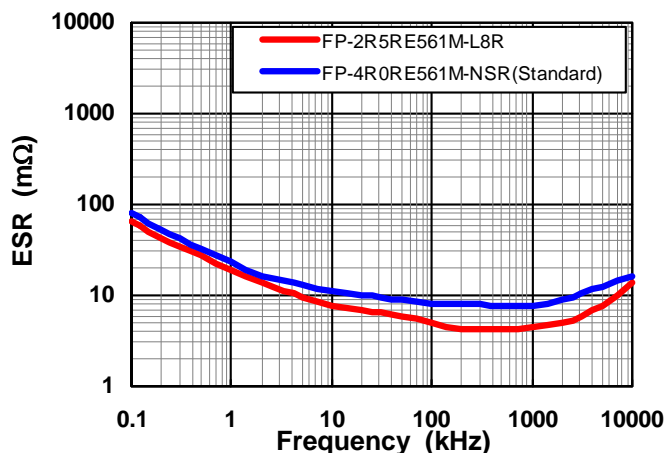
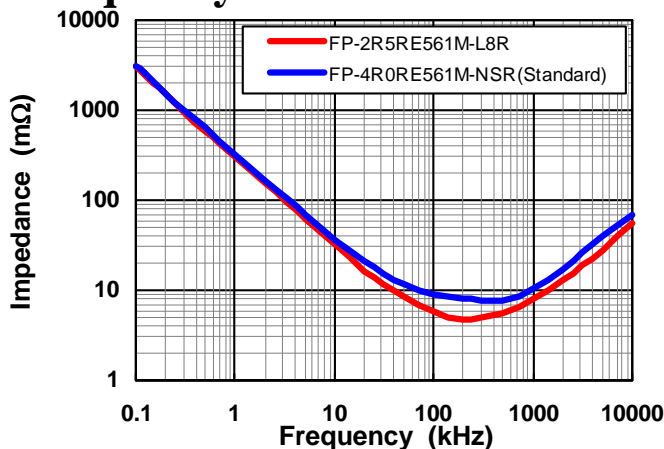
(Unit : mm)

$\phi D \times L$	$\phi d$	P	$\alpha$
8 x 8	0.6	3.5	1.0

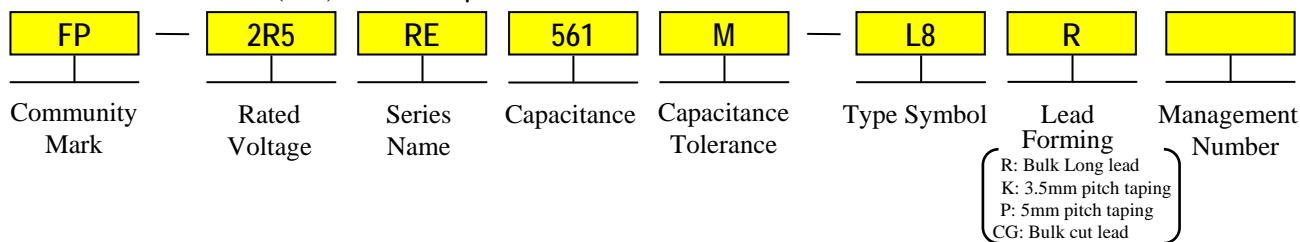
## ● Part Number & Specifications

Rated Voltage (V)	Capacitance (μF, 120Hz)	Part Number	Leakage Current (μA, 2 min)	tanδ (120Hz)	ESR (mΩ, 100kHz)	Maxmun permissible Ripple Current (mA, r.m.s.)	Case Size ΦD×L(mm)
2.5	560	FP-2R5RE561M-L8□□	500.0	0.12	6	6100	8×8
	820	FP-2R5RE821M-L8□□	512.5	0.12	6	6100	8×8
	1000	FP-2R5RE102M-L8□□	625.0	0.12	6	6100	8×8
4.0	560	FP-4R0RE561M-L8□□	560.0	0.12	6	6100	8×8
	820	FP-4R0RE821M-L8□□	820.0	0.12	6	6100	8×8
6.3	470	FP-6R3RE471M-L8□□	592.2	0.12	8	5700	8x8
	560	FP-6R3RE561M-L8□□	705.6	0.12	8	5700	8×8
	680	FP-6R3RE681M-L8□□	856.8	0.12	8	5700	8×8

## ● Frequency Characteristics



## ● Part Number (EX) 2.5V560μF



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