

## Functional Polymer Aluminum Solid Electrolytic Capacitors

### RE series R5 Type



**ESR 5mΩ**



#### ● 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%)

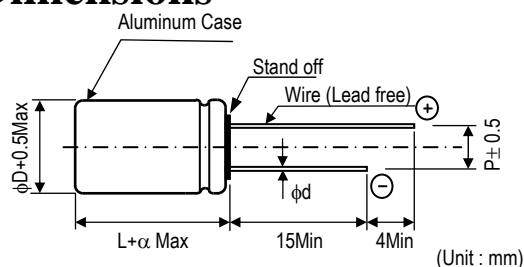
#### ● Specifications

Items		Characteristics
		R5 Type
Operating Temp. Range		- 55 to + 105°C
Rated Voltage Range		2.5 to 6.3V <sub>DC</sub>
Capacitance Range		390 to 1500 <sub>μ</sub> F
Capacitance Tolerance		± 20% (M)
Endurance	Condition	105°C 2000Hrs at rated voltage
	Capacitance	Within ± 20% of the value before test
	Leakage Current	Not to exceed the value specified
	tan δ	Not to exceed 150% of the value specified
Reliability		0.1% / 1000hrs. Max (60%CL)
Others		JIS-C-5101-4

#### ● Size List

Cap(μF)	R.V.(V)			S.V.(V)	φ D×L
	2.5	4.0	6.3		
390				2.8	8×11.5
470				2.8	
560		8×11.5			
680	8×11.5		10×12.5		
820	8×11.5	10×12.5	10×12.5		
1000					
1200		10×12.5			
1500	10×12.5				

#### ● Dimensions

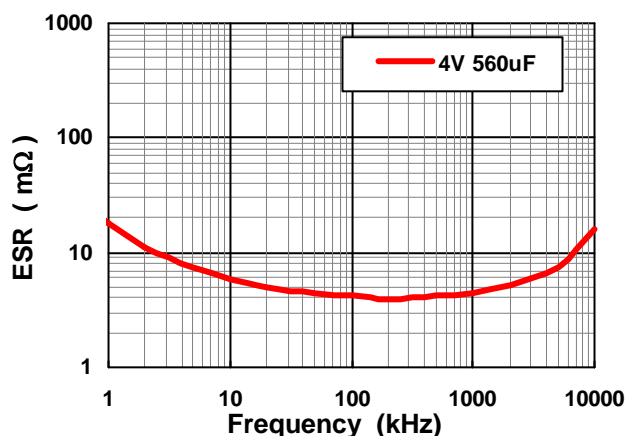
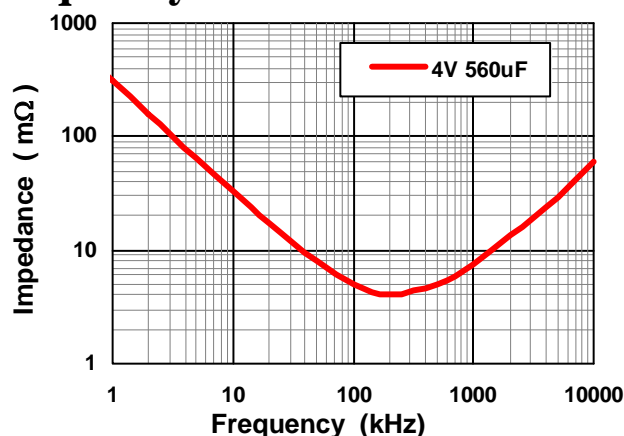


φ D×L	φ d	P	α
8×11.5	0.6	3.5	1.5
10×12.5	0.6	5.0	1.5

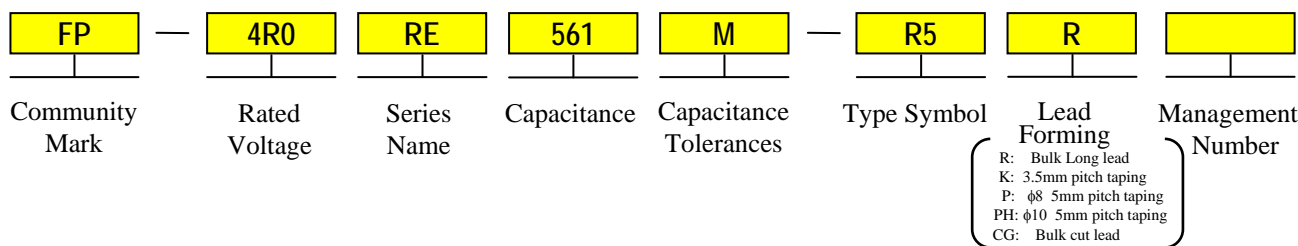
## ● Part number & Specifications

Rated Voltage (V)	Capacitance (μF, 120Hz)	Part Number	Leakage Current (μA, 2 min)	tanδ (120Hz)	ESR (mΩ, 100kHz)	Max mun permissible Ripple Current (mA, r.m.s.)	Case Size ΦD×L(mm)
2.5	680	FP-2R5RE681M-R5□□	425.0	0.150	5	6630	8×11.5
	820	FP-2R5RE821M-R5□□	512.5	0.150	5	6630	8×11.5
	1500	FP-2R5RE152M-R5□□	937.5	0.150	5	7220	10×12.5
4.0	560	FP-4R0RE561M-R5□□	560.0	0.150	5	6630	8×11.5
	820	FP-4R0RE821M-R5□□	820.0	0.150	5	7220	10×12.5
	1200	FP-4R0RE122M-R5□□	1200.0	0.150	5	7220	10×12.5
6.3	390	FP-6R3RE391M-R5□□	614.3	0.150	5	6630	8×11.5
	680	FP-6R3RE681M-R5□□	1071.0	0.150	5	7220	10×12.5
	820	FP-6R3RE821M-R5□□	1291.5	0.150	5	7220	10×12.5

## ● Frequency Characteristics



## ● Part Number (EX) 4V560μF



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