

Functional Polymer Aluminum Solid Electrolytic Capacitors

RE series S8 Type

Ultra Low ESR

Large Capacitance

Low ESL

Lead free

RoHS Compliance

● Features

By using Functional Polymer cathode, Frequency & Temp. characteristics are greatly improved.

- Low ESR and **Low ESL** 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
		S8 Type
Operating Temp. Range		-55 to +105°C
Rated Voltage Range		2.5 to 4.0 V dc
Capacitance Range		560 to 820 μ 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

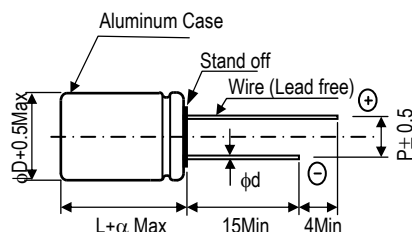


● Size List

(ϕ D x L)

Cap(μ F)	R.V.(V)	2.5	4.0	6.3
	S.V.(V)	2.8	4.6	7.2
390				
470				
560		6.3x8	6.3x8	
680				
820		6.3x8		
1000				
1200				
1500				

● Dimensions



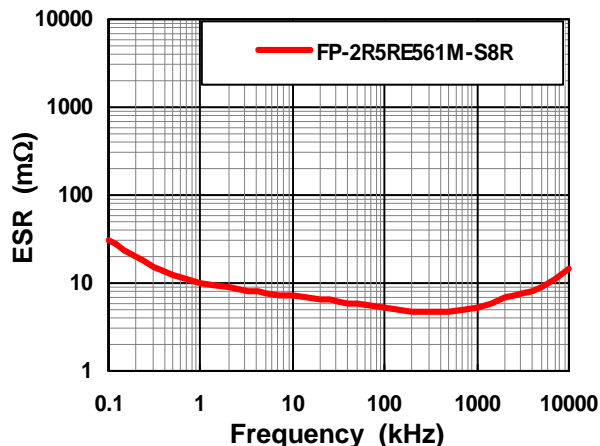
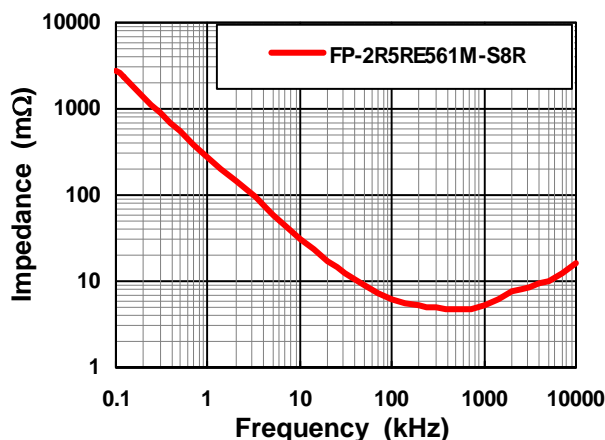
(Unit : mm)

ϕ D x L	ϕ d	P	α
6.3x8	0.6	2.5	1.0

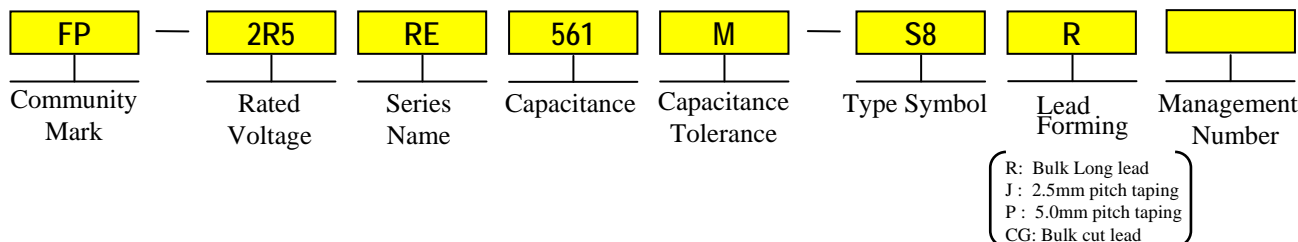
Part Number & Specifications

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-S8□□	500.0	0.1	7	3500	6.3x8
	820	FP-2R5RE821M-S8□□	512.5	0.1	7	3500	6.3x8
4.0	560	FP-4R0RE561M-S8□□	560.0	0.1	7	3500	6.3x8

Frequency Characteristics



Part Number (EX) 2.5V560μF



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