

NEW

THE POSSIBILITIES ARE INFINITE

FUJITSU

Functional Polymer Capacitors Solid Electrolytic Capacitors with Functional Polymer

FPCAP

RE Series R5 Type

Ultra
Low ESR

Non Tube

Lead Free

● 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%)

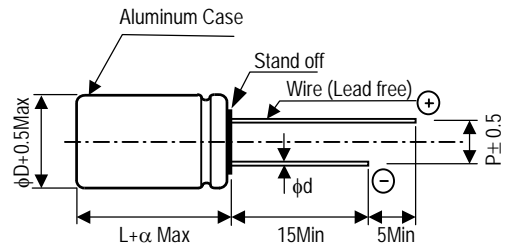
● Specifications

Items		Characteristics
		Type (R5)
Operating Temp. Range		- 55 to + 105°C
Rated Voltage Range		2.5 to 6.3V-DC
Capacitance Range		390 to 1500 μ F
Capacitance Tolerance		\pm 20% (M)
Endurance	Condition	105°C 2,000Hrs at rated voltage
	Capacitance	Within \pm 20% of the value before test
	Leakage Current	Not to exceed the value specified
	Dissipation Factor	Not to exceed 150% of the value specified
Reliability		0.1% / 1,000hrs. Max (60%CL)
Others		JIS-C-5101-4

● Dimensions

(ϕ D \times L)

Cap(μ F)	R.V.(V)	2.5	4.0	6.3
	S.V.(V)	2.8	4.6	7.2
390				8 \times 11.5
470				
560			8 \times 11.5	
680	8 \times 11.5			10 \times 12.5
820	8 \times 11.5	10 \times 12.5		10 \times 12.5
1000				
1200		10 \times 12.5		
1500	10 \times 12.5			



(Unit : mm)

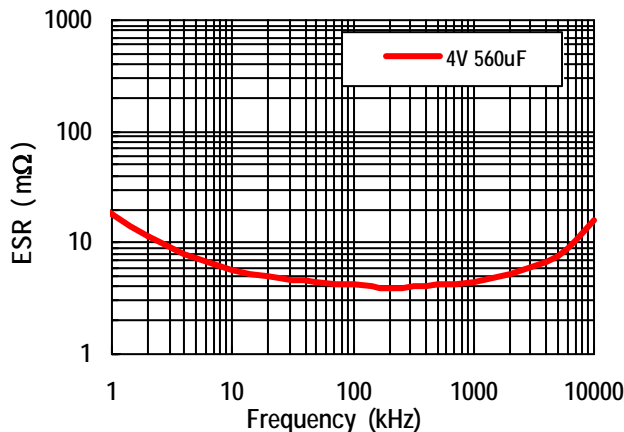
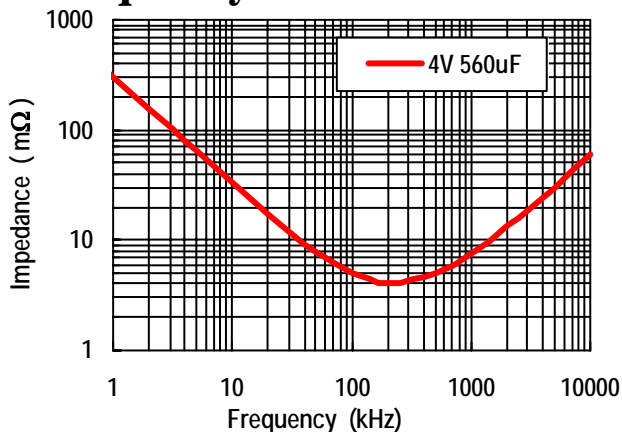
ϕ D \times L	ϕ d	P	α
8 \times 11.5	0.6	3.5	1.5
10 \times 12.5	0.6	5.0	1.5

Functional Polymer Capacitors (FPCAP)

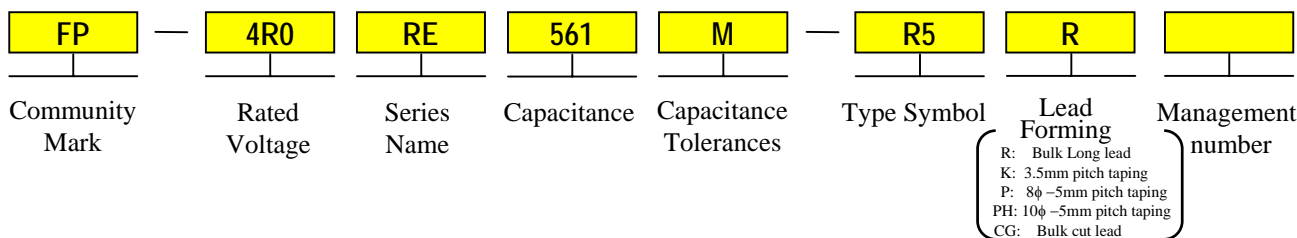
● Part number & Specifications

Rated Voltage (V)	Capacitance (μF, at120Hz)	Part Number	Leakage Current (μA, 2 minutes)	tanδ	ESR (mΩ, at100kHz)	Maxmun 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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