

Functional Polymer Aluminum Solid Electrolytic Capacitors

RE Series R7 Type

Features

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

- · More 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%)

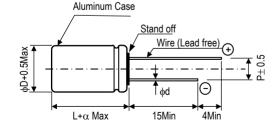
Specifications

Items		Characteristics		
		R7 Type		
Operating Temp. Range		- 55 to + 105°C		
Rated Voltage Range		2.5 to 16 V _{DC}		
Capacitance Range		68 to 1500 μF		
Capacitance Tolerance		± 20% (M)		
	Condition	105°C 2000Hrs at rated voltage		
Endurance	Capacitance	Within ± 20% of the value before test		
Liluulalioe	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

Size List (\phi DxL)							
R.V.(V) Cap(μF) $S.V.(V)$	2.5	4.0	6.3	10	16		
Cap(μ F)	2.8	4.6	7.2	11.5	18.4		
68					8×11.5		
100				8×11.5	8×11.5		
150			8×11.5		10×12.5		
220			8×11.5	10×12.5			
330			10×12.5		10×12.5		
390			8×11.5				
470				10×12.5			
560		8×11.5					
680	8×11.5		10×12.5				
820	8×11.5	10×12.5	10×12.5				
1000			10×12.5				
1200		10×12.5					
1500	10×12.5						

• Dimensions



(Unit: mm)

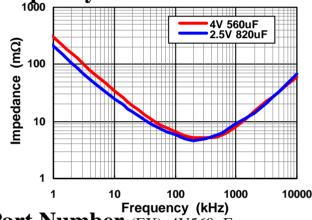
$_{\phi}$ D×L	ϕ d	Р	α
8×11.5	0.6	3.5	1.5
10×12.5	0.6	5.0	1.5

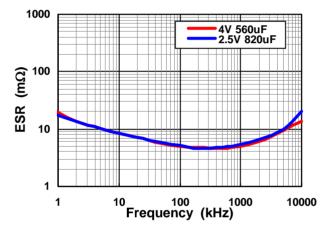
Functional Polymer Capacitors (FPCAP)

Part number & Specifications

Rated Voltage	Capacitance	Part Number	Leakage Current	tanδ	ESR	Max mun permissible Ripple Current	Case Size
(V)	(µF, 120Hz)		(µA, 2 min)	(120Hz)	(mΩ, 100kHz)	(mA, r.m.s.)	ΦD×L(mm)
2.5	680	FP-2R5RE681M-R7□□	425.0	0.080	7	5600	8×11.5
	820	FP-2R5RE821M-R7□□	512.5	0.080	7	5600	8×11.5
	1500	FP-2R5RE152M-R7□□	937.5	0.080	7	6100	10×12.5
	560	FP-4R0RE561M-R7□□	224.0	0.080	7	5600	8×11.5
4.0	820	FP-4R0RE821M-R7□□	328.0	0.080	7	6100	10×12.5
	1200	FP-4R0RE122M-R7	960.0	0.150	7	6100	10×12.5
6.3	150	FP-6R3RE151M-R7□□	47.2	0.070	7	5600	8×11.5
	220	FP-6R3RE221M-R7□□	69.3	0.070	7	5600	8×11.5
	330	FP-6R3RE331M-R7□□	103.9	0.070	7	6100	10×12.5
	390	FP-6R3RE391M-R7	245.7	0.080	7	5600	8×11.5
	680	FP-6R3RE681M-R7□□	428.4	0.080	7	6100	10×12.5
	820	FP-6R3RE821M-R7	516.6	0.120	7	6100	10×12.5
	1000	FP-6R3RE102M-R7□□	630.0	0.120	7	6100	10×12.5
10.0	100	FP-010RE101M-R7	50.0	0.070	7	5600	8×11.5
	220	FP-010RE221M-R7□□	110.0	0.070	7	6100	10×12.5
	470	FP-010RE471M-R7	470.0	0.080	7	6100	10×12.5
16.0	68	FP-016RE680M-R7□□	54.4	0.060	7	5600	8×11.5
	100	FP-016RE101M-R7□□	80.0	0.060	7	5600	8×11.5
	150	FP-016RE151M-R7□□	120.0	0.060	7	6100	10×12.5
	330	FP-016RE331M-R7□□	792.0	0.080	7	6100	10×12.5







Part Number (EX) 4V560µF



Mark



Voltage



Name





Japan Global Sales

Kanagawa 222-0033, Japan





φ8 5mm pitch taping PH: \$10 5mm pitch taping CG: Bulk cut lead



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