





Functional Polymer Capacitors

Solid Electrolytic Capacitors with Functional Polymer



RE Series OU, SU Type

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

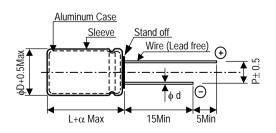
Items		Characteristics			
		Standard type (0U)	Extended capacitance type (SU)		
Operating Temp. Range		- 55 to + 105°C			
Rated Voltage Range		6.3 to 16 V·DC	2.5 to 16 V·DC		
Capacitance Range		68 to 330 μF	330 to 1500 μF		
Capacitance Tolerance		± 20% (M)			
Endurance	Condition	105°C 2,000Hrs at rated 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			

(\phi D×L)

● **Dimensions** < Standard type : 0U>

		\ \ \ \ \ \ \			
R.V.(V)	2.5	4.0	6.3	10	16
Cap(µF) S.V.(V)	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		

< Extended capacitance type : SU> (\(\phi \) D×L)							
R.V.(V)	2.5	4.0	6.3	10	16		
Cap(μF) S.V.(V)	2.8	4.6	7.2	11.5	18.4		
330					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						

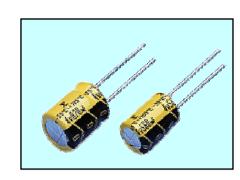


(Unit : mm)

φD×L	φd	Р	α
8×11.5	0.6	3.5	1.5
10×12.5	0.6	5.0	1.5

Ultra Low ESR

Lead Free

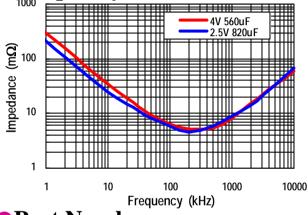


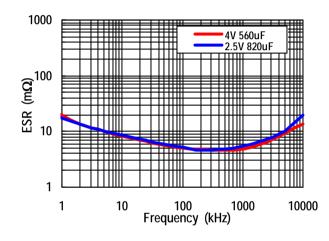
Functional Polymer Capacitors (FPCAP)

Part number & Specifications

Rated Voltage	Capacitance	Part Number	Leakage Current	tang	ESR	Max mun permissible Ripple Current	Case Size
(V)	(μF, at120Hz)		(μA, 2 minutes)		(mΩ, at100kHz)	(mA, r.m.s.)	φ D×L(mm)
2.5	680	FP-2R5RE681M-SU□□	425.0	0.080	7	5600	8×11.5
	820	FP-2R5RE821M-SU□□	512.5	0.080	7	5600	8×11.5
	1500	FP-2R5RE152M-SU□□	937.5	0.080	7	6100	10×12.5
	560	FP-4R0RE561M-SU□□	224.0	0.080	7	5600	8×11.5
4.0	820	FP-4R0RE821M-SU□□	328.0	0.080	7	6100	10×12.5
	1200	FP-4R0RE122M-SU□□	960.0	0.150	7	6100	10×12.5
	150	FP-6R3RE151M-0U □ □	47.2	0.070	7	5600	8×11.5
	220	FP-6R3RE221M-0U□□	69.3	0.070	7	5600	8×11.5
	330	FP-6R3RE331M-0U □ □	103.9	0.070	7	6100	10×12.5
6.3	390	FP-6R3RE391M-SU	245.7	0.080	7	5600	8×11.5
	680	FP-6R3RE681M-SU□□	428.4	0.080	7	6100	10×12.5
	820	FP-6R3RE821M-SU□□	516.6	0.120	7	6100	10×12.5
	1000	FP-6R3RE102M-SU□□	630.0	0.120	7	6100	10×12.5
	100	FP-010RE101M-0U 🗆 🗆	50.0	0.070	7	5600	8×11.5
10.0	220	FP-010RE221M-0U 🗆 🗆	110.0	0.070	7	6100	10×12.5
	470	FP-010RE471M-SU□□	470.0	0.080	7	6100	10×12.5
16.0	68	FP-016RE680M-0U 🗆 🗆	54.4	0.060	7	5600	8×11.5
	100	FP-016RE101M-0U	80.0	0.060	7	5600	8×11.5
	150	FP-016RE151M-0U 🗆 🗖	120.0	0.060	7	6100	10×12.5
	330	FP-016RE331M-SU	792.0	0.080	7	6100	10×12.5







Part Number (EX) 4V560µF





Voltage



Series

Name





Tolerance

Japan Global Sales





PH: 10\phi -5mm pitch taping CG: Bulk cut lead



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