

Lead free

Functional Polymer Capacitors **FPCAP**

Solid Electrolytic Capacitors with Functional Polymer

RE Series

◆ Features

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

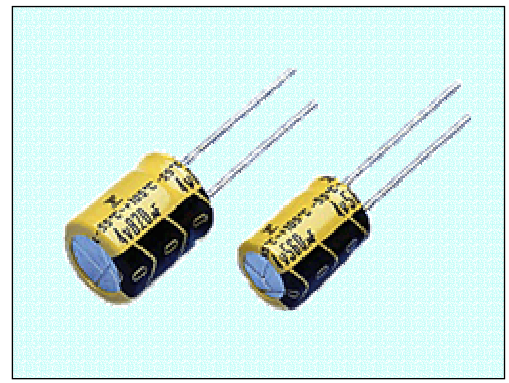
- Low ESR at a high frequency range.
- High ripple current capability.
- Long life and high reliability.(Reliability:0.05%/10000Hrs)

◆ Applications

- Switching Power Supply and DC/DC Converter.
- Power Supplies of CPU(VRM etc.)

◆ Environmental correspondence

- The environmental friendly substance is not used for a use component.
- The lead free of terminal plating (Sn 100%)



◆ Specifications

Items	Characteristics	
	Standard type (01)	Extended capacitance type (S1)
Operating Temp. Range	-55 to +105°C	
Rated Voltage Range	6.3 to 25V-DC	4.0 to 16V-DC
Capacitance Range	10 to 330 μ F	330 to 1200 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	0.05% / 10,000Hrs. Max (60%CL)	
Others	JIS-C-5101-4	

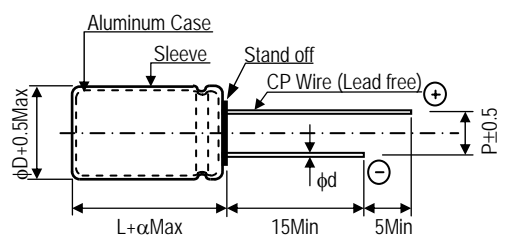
◆ Dimensions

<Standard type : 01> (ϕ D \times L)

RV(V) SV(V)	4.0	6.3	10	16	20	25
	Cap(μ F)	4.6	7.2	11.5	18.4	23.0
10						6.3 \times 7
15					6.3 \times 7	6.3 \times 10
22				6.3 \times 7	6.3 \times 7	8 \times 11.5
33			6.3 \times 7	6.3 \times 7	6.3 \times 10	10 \times 12.5
47		6.3 \times 7		6.3 \times 10	8 \times 11.5	10 \times 12.5
68			6.3 \times 10	8 \times 11.5	8 \times 11.5	
100			8 \times 11.5	8 \times 11.5	10 \times 12.5	
150		8 \times 11.5		10 \times 12.5		
220		8 \times 11.5	10 \times 12.5			
330		10 \times 12.5				

<Extended capacitance type : S1> (ϕ D \times L)

RV(V) SV(V)	4.0	6.3	10	16	20	25
	Cap(μ F)	4.6	7.2	11.5	18.4	23.0
330				10 \times 12.5		
390		8 \times 11.5				
470			10 \times 12.5			
560	8 \times 11.5					
680		10 \times 12.5				
820	10 \times 12.5	10 \times 12.5				
1000		10 \times 12.5				
1200	10 \times 12.5					



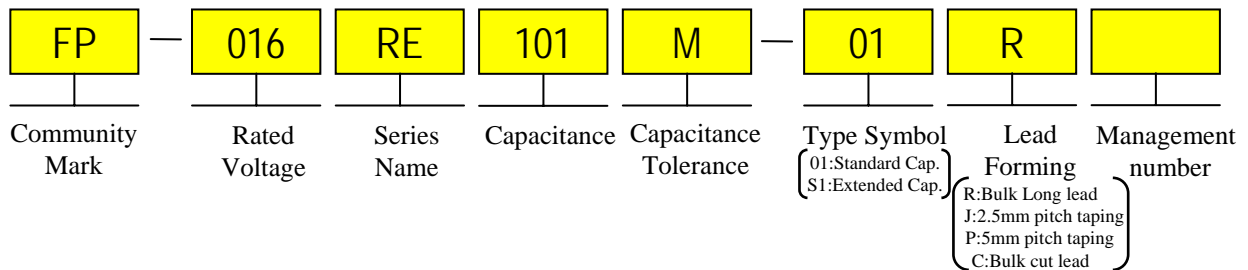
(Unit : mm)

ϕ D \times L	ϕ d	P	α
6.3 \times 7	0.45	2.5	1.0
6.3 \times 10	0.6	2.5	1.0
8 \times 11.5	0.6	3.5	1.5
10 \times 12.5	0.6	5.0	1.5

◆ 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)
4.0	560	FP-4R0RE561M-S1□□G	224.0	0.080	14	4080	8×11.5
	820	FP-4R0RE821M-S1□□G	328.0	0.080	12	5040	10×12.5
	1200	FP-4R0RE122M-S1□□G	960.0	0.150	12	5040	10×12.5
6.3	47	FP-6R3RE470M-01□□G	5.9	0.070	60	1430	6.3×7
	150	FP-6R3RE151M-01□□G	18.9	0.070	30	2780	8×11.5
	220	FP-6R3RE221M-01□□G	27.7	0.070	30	3000	8×11.5
	330	FP-6R3RE331M-01□□G	41.6	0.070	25	3500	10×12.5
	390	FP-6R3RE391M-S1□□G	245.7	0.080	16	3810	8×11.5
	680	FP-6R3RE681M-S1□□G	428.4	0.080	13	4840	10×12.5
	820	FP-6R3RE821M-S1□□G	516.6	0.120	12	5040	10×12.5
	1000	FP-6R3RE102M-S1□□G	630.0	0.120	12	5040	10×12.5
10	33	FP-010RE330M-01□□G	6.6	0.070	70	1370	6.3×7
	68	FP-010RE680M-01□□G	13.6	0.070	50	2000	6.3×10
	100	FP-010RE101M-01□□G	20.0	0.070	30	2670	8×11.5
	220	FP-010RE221M-01□□G	44.0	0.070	27	3370	10×12.5
	470	FP-010RE471M-S1□□G	470.0	0.080	15	4510	10×12.5
16	22	FP-016RE220M-01□□G	7.1	0.060	70	1350	6.3×7
	33	FP-016RE330M-01□□G	10.6	0.060	70	1370	6.3×7
	47	FP-016RE470M-01□□G	15.1	0.060	60	1830	6.3×10
	68	FP-016RE680M-01□□G	21.8	0.060	36	2700	8×11.5
	100	FP-016RE101M-01□□G	32.0	0.060	30	2740	8×11.5
	150	FP-016RE151M-01□□G	48.0	0.060	28	3260	10×12.5
	330	FP-016RE331M-S1□□G	792.0	0.080	17	4580	10×12.5
20	15	FP-020RE150M-01□□G	6.0	0.060	90	1200	6.3×7
	22	FP-020RE220M-01□□G	8.8	0.060	70	1300	6.3×7
	33	FP-020RE330M-01□□G	13.2	0.060	70	1710	6.3×10
	47	FP-020RE470M-01□□G	18.8	0.060	40	2450	8×11.5
	68	FP-020RE680M-01□□G	27.2	0.060	36	2600	8×11.5
	100	FP-020RE101M-01□□G	40.0	0.060	30	3210	10×12.5
25	10	FP-025RE100M-01□□G	5.0	0.060	90	1150	6.3×7
	15	FP-025RE150M-01□□G	7.5	0.060	70	1650	6.3×10
	22	FP-025RE220M-01□□G	11.0	0.060	40	2330	8×11.5
	33	FP-025RE330M-01□□G	16.5	0.060	35	2900	10×12.5
	47	FP-025RE470M-01□□G	23.5	0.060	35	2980	10×12.5

◆ Part Number (EX) 16V100μF



FUJITSU MEDIA DEVICES LIMITED

● Sales Offices

• North and South America
FUJITSU MEDIA DEVICES OF AMERICA INC,
 1731 Technology Drive, Suite 800, San Jose, CA 95110 USA
 Tel. +1-408-437-8900 Fax. +1-408-437-0700

• Europe
FUJITSU MIKROELEKTRONIK EUROPE GmbH
 Am Siebenstein 6-10, D-63303 Dreieich-Buchsschlag, Germany
 Tel. +49-61-03-690-0 Fax. +49-61-03-690-122

• Asia Pacific
FUJITSU MEDIA DEVICES HONG KONG LIMITED
 Room. 1101 Ocean Centre, 5 Canton Road, Tsimshatsui Kowloon, Hong Kong
 Tel. +852-2866-8509 Fax. +852-2866-8287

FUJITSU MEDIA DEVICES TRADING (Shanghai) LIMITED
 Room. 3104, Bund Center 222 Yan An Road East, Shanghai 200002, China
 Tel. +86-21-6323-4560 Fax. +86-21-6323-4510

* Design and Specifications are subject to change without notice.

For more information. Please contact our sales office or distributor near to your company.