

Functional Polymer Aluminum Solid Electrolytic Capacitors

RE series NU Type

Ultra Low ESR Large Capacitance Sleeveless
 Lead free RoHS Compliance

● 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
		NU Type
Operating Temp. Range		-55 to +105°C
Rated Voltage Range		2.5 to 16 V-dc
Capacitance Range		10 to 2700μF
Capacitance Tolerance		±20% (M)
Endurance	Condition	105°C 2000Hrs at rated voltage
	Capacitance	Within ±20% of the value before test
	Leakage Current	Not to exceed the value specified
	Ian δ	Not to exceed 150% of the value specified
Reliability		0.1% / 1000Hrs. Max (60%CL)
Others		JIS-C-5101-4

UPDATE

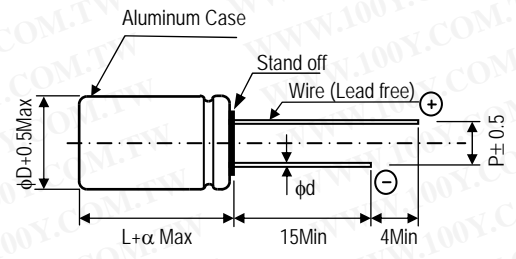


● Size List

(φ D×L)

Cap(μF)	R.V.(V)	2.5	4.0	6.3	10	16
	S.V.(V)	2.8	4.6	7.2	11.5	18.4
10					4x5	
47						
100						6.3x10
180						8x11.5
220						
270						8x11.5
330						
390						
470				8x11.5		10x12.5
560						
680				8x11.5		
820				8x11.5		
1000						
1200						
1500	8x11.5			10x12.5		
1800			10x12.5			
2200			10x12.5			
2700	10x12.5					

● Dimensions



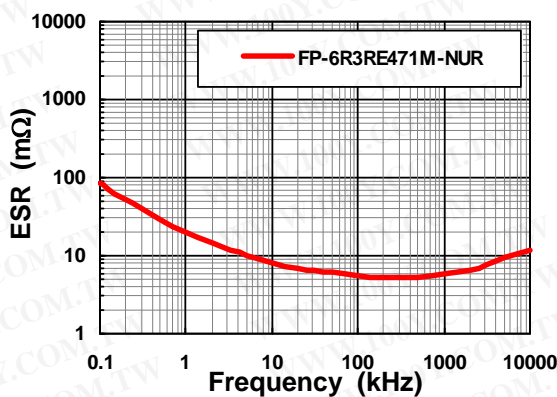
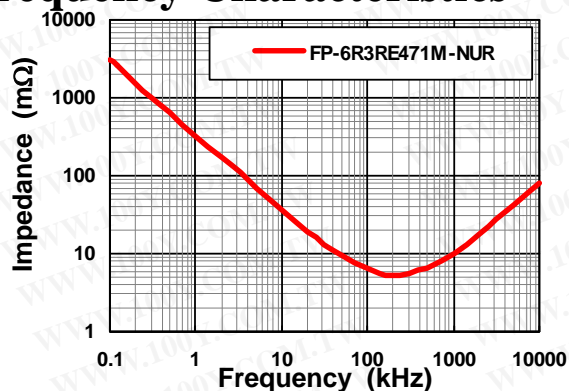
(Unit : mm)

φD×L	φd	P	α
4x5	0.45	1.5	1.0
6.3x10	0.5	2.5	1.0
8x11.5	0.6	3.5	1.5
10x12.5	0.6	5.0	1.5

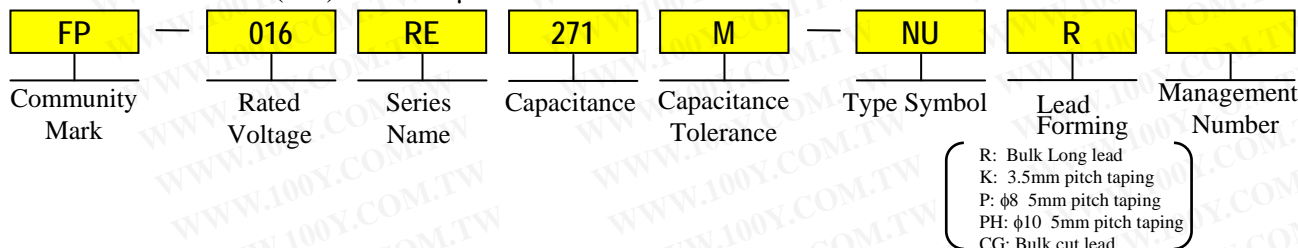
Part Number & Specifications

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	1500	FP-2R5RE152M-NU□□	937.5	0.08	7	5700	8x11.5
	2700	FP-2R5RE272M-NU□□	1350.0	0.08	7	6100	10x12.5
4.0	1800	FP-4R0RE182M-NU□□	1440.0	0.08	7	6100	10x12.5
	2200	FP-4R0RE272M-NU□□	1760.0	0.08	7	6100	10x12.5
6.3	470	FP-6R3RE471M-NU□□	592.2	0.08	7	5700	8×11.5
	680	FP-6R3RE681M-NU□□	856.8	0.08	7	5700	8x11.5
	820	FP-6R3RE821M-NU□□	1033.2	0.08	7	5700	8x11.5
	1500	FP-6R3RE152M-NU□□	1890.0	0.08	7	6100	10x12.5
10.0	10	FP-010RE100M-NU□□	300.0	0.12	45	700	4×5
16.0	100	FP-016RE101M-NU□□	320.0	0.08	25	2820	6.3x10
	180	FP-016RE181M-NU□□	576.0	0.08	8	5700	8×11.5
	270	FP-016RE271M-NU□□	864.0	0.08	8	5000	8×11.5
	470	FP-016RE471M-NU□□	1504.0	0.08	10	6100	10×12.5

Frequency Characteristics



Part Number (EX) 16V270μF



FUJITSU MEDIA DEVICES LIMITED

<http://jp.fujitsu.com/fmd/en/>

Japan Global Sales
 Shin-Yokohama Square Bldg., 14F Shin-Yokohama 2-3-12, Kohoku-ku, Yokohama, Kanagawa 222-0033, Japan
 Tel: +81-45-471-0061 Fax: +81-45-471-0076

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Europe
 FUJITSU MICROELECTRONICS
 EUROPE GmbH
 Tel: +49-6103-690-0
 Fax: +49-6103-690-122
<http://www.fme.fujitsu.com/>

Asia Pacific
 FUJITSU MEDIA DEVICES HONG KONG LTD.
 Tel: +852-2866-8509
 Fax: +852-2866-8287
 (Taiwan Representative office)
 Tel: +886-2-2311-2255
 Fax: +886-2-2371-8347
 FUJITSU MEDIA DEVICES TRADING (SHANGHAI) LTD.
 Tel: +86-21-6323-4560
 Fax: +86-21-6323-4510

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