

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 2700 μ F
Capacitance Tolerance		\pm 20% (M)
Endurance	Condition	105°C 2000Hrs at rated voltage
	Capacitance	Within \pm 20% of the value before test
	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

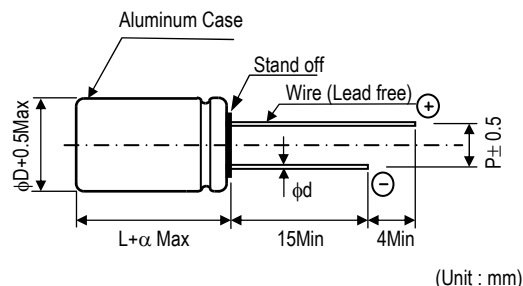


UPDATE

● Size List

Cap(μ F)	R.V.(V) S.V.(V)						(φ D×L)
	2.5	4.0	6.3	10	16	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



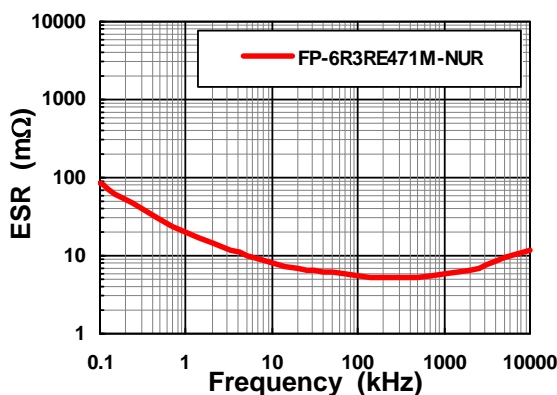
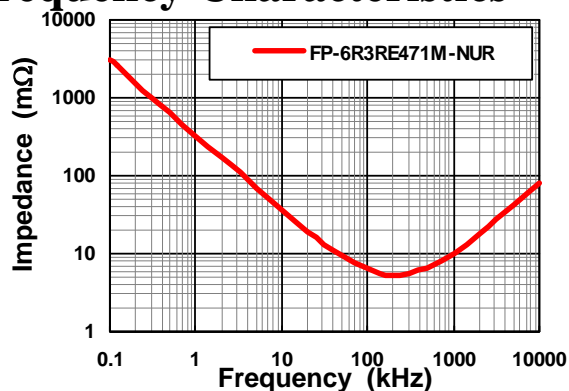
(Unit : mm)

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

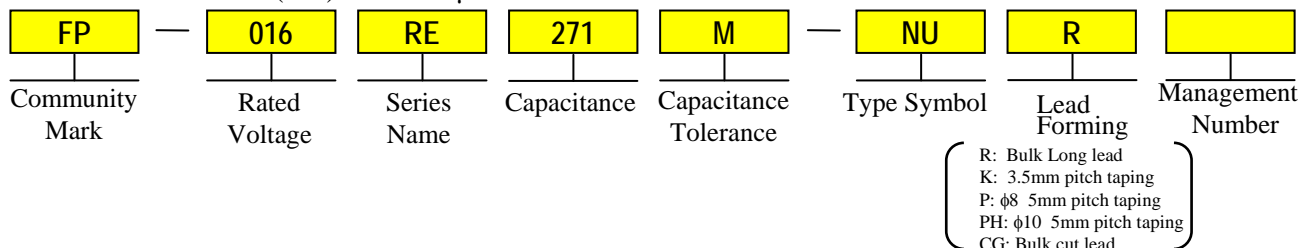
Part Number & Specifications

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	8×11.5
	2700	FP-2R5RE272M-NU□□	1350.0	0.08	7	6100	10×12.5
4.0	1800	FP-4R0RE182M-NU□□	1440.0	0.08	7	6100	10×12.5
	2200	FP-4R0RE272M-NU□□	1760.0	0.08	7	6100	10×12.5
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	8×11.5
	820	FP-6R3RE821M-NU□□	1033.2	0.08	7	5700	8×11.5
	1500	FP-6R3RE152M-NU□□	1890.0	0.08	7	6100	10×12.5
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	6.3×10
	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



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