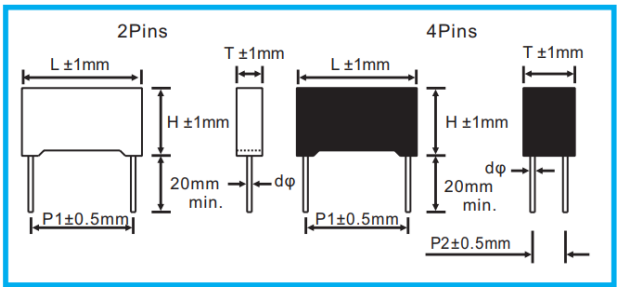
METALLIZED POLYPROPYLENE AC FILTER CAPACITOR FLAME RETARDANT CASE, NON-INDUCTIVE WOUND

BLF



FEATURES

- High Reliability and excellent self-healing characteristics
- Low losses and low ESR

APPLICATION

- Suitable for AC output filter, i.e. UPS, Solar Photovoltaic DC/AC inverter with LCL filter.

GENERAL SPECIFICATION

1. OPERATING TEMPERATURE
   -40°C ~ +105°C
   De-rated voltage 1.5%/°C above 85°C to 105°C

2. VOLTAGE RANGE:
   180, 275 AND 350V

3. CAPACITANCE RANGE:
   1.0~70.0 µF (other ratings reviewed on request)

4. DIELECTRIC STRENGTH:
   160% of rated voltage for 2 seconds

5. CAPACITANCE TOLERANCE:
   ±5%(J), ±10%(K), ±20%(M)

6. INSULATION RESISTANCE:
   C<0.33 µF, R≥30,000 MEG. OHM @ 20 ±3°C
   C≤0.33µF, RC≥10,000 MEG.OHM X µF

7. DISSIPATION FACTOR:
   0.1% MAX. @ 1KHz 20 ±3°C

VAC	180VAC							275VAC							350VAC						
µF	L	T	H	P1	P2	dØ	dv/dt	L	T	H	P1	P2	dØ	dv/dt	L	T	H	P1	P2	dØ	dv/dt
1.0								32.0	11.0	20.0	27.5		1.0	80.0	32.0	11.0	20.0	27.5		1.0	100.0
1.2								32.0	11.0	20.0	27.5		1.0	80.0	32.0	13.0	22.0	27.5		1.0	100.0
1.5								32.0	13.0	20.0	27.5		1.0	80.0	32.0	14.0	25.0	27.5		1.0	100.0
1.8								32.0	14.0	25.0	27.5		1.0	80.0	32.0	16.0	25.5	27.5		1.0	100.0
2.2	32.0	11.0	20.0	27.5		1.0	30.0	32.0	15.0	24.5	27.5		1.0	80.0	32.0	18.0	28.0	27.5		1.0	100.0
2.7	32.0	11.0	20.0	27.5		1.0	30.0	32.0	16.0	25.5	27.5		1.0	80.0	32.0	18.0	33.0	27.5		1.2	100.0
3.3	32.0	13.0	22.0	27.5		1.0	30.0	32.0	18.0	28.0	27.5		1.2	80.0	32.0	20.0	35.5	27.5		1.2	100.0
3.9	32.0	14.0	25.0	27.5		1.0	30.0	32.0	18.0	33.0	27.5		1.2	80.0	42.0	18.0	30.0	37.5	10.2	1.2	70.0
4.7	32.0	14.0	25.0	27.5		1.0	30.0	42.0	18.0	30.0	37.5	10.2	1.2	55.0	42.0	20.5	34.0	37.5	10.2	1.2	70.0
5.6	32.0	16.0	25.5	27.5		1.0	30.0	42.0	18.0	30.0	37.5	10.2	1.2	55.0	42.0	22.0	37.0	37.5	10.2	1.2	70.0
6.8	32.0	18.0	28.0	27.5		1.2	30.0	42.0	20.5	34.0	37.5	10.2	1.2	55.0	42.0	26.0	39.0	37.5	10.2	1.2	70.0
8.2	32.0	19.0	30.0	27.5		1.2	30.0	42.0	22.0	37.0	37.5	10.2	1.2	55.0	42.0	26.0	33.0	37.5	10.2	1.2	70.0
10.0	32.0	22.0	31.0	27.5		1.2	30.0	42.0	26.0	39.0	37.5	10.2	1.2	55.0	42.0	30.0	45.0	37.5	10.2	1.2	70.0
12.0	42.0	18.0	30.0	37.5	10.2	1.2	20.0	42.0	28.0	43.0	37.5	10.2	1.2	55.0	59.0	33.0	43.0	52.5	20.3	1.2	45.0
15.0	42.0	20.5	34.0	37.5	10.2	1.2	20.0	42.0	31.0	47.0	37.5	20.3	1.2	55.0	59.0	33.0	43.0	52.5	20.3	1.2	45.0
18.0	42.0	22.4	37.0	37.5	10.2	1.2	20.0	59.0	33.0	43.0	52.5	20.3	1.2	35.0	59.0	35.0	46.0	52.5	20.3	1.2	45.0
20.0	42.0	24.0	39.0	37.5	10.2	1.2	20.0	59.0	33.0	43.0	52.5	20.3	1.2	35.0	59.0	38.0	48.0	52.5	20.3	1.2	45.0
22.0	42.0	24.0	42.5	37.5	10.2	1.2	20.0	59.0	34.0	45.0	52.5	20.3	1.2	35.0	59.0	40.0	50.0	52.5	20.3	1.2	45.0
25.0	42.0	26.0	43.0	37.5	10.2	1.2	20.0	59.0	38.0	48.0	52.5	20.3	1.2	35.0							
27.0	42.0	28.0	43.0	37.5	10.2	1.2	20.0	59.0	38.0	48.0	52.5	20.3	1.2	35.0							
30.0	42.0	30.0	45.0	37.5	20.3	1.2	20.0	59.0	40.0	50.0	52.5	20.3	1.2	35.0							
33.0	42.0	31.0	47.0	37.5	20.3	1.2	20.0	59.0	42.0	53.0	52.5	20.3	1.2	35.0							
35.0	59.0	28.0	41.0	52.5	10.2	1.2	15.0														
40.0	59.0	33.0	43.0	52.5	20.3	1.2	15.0														
50.0	59.0	35.0	46.0	52.5	20.3	1.2	15.0														
60.0	59.0	38.0	48.0	52.5	20.3	1.2	15.0														
70.0	59.0	40.0	50.0	52.5	20.3	1.2	15.0														