

BMPF

Polypropylene metallized film capacitor with a rectangular, plastic box-type filled with resin, and uses 2 or 4 tinned copper wires.

■ Features

- Self-healing
- Low losses
- High ripple current
- Optimized AC voltage performance
- High contact reliability
- Suitable for high frequency applications

■ Applications

- Clamping, AC and harmonic filtering in UPS systems, renewable energy
- DC LINK

■ Specifications

Reference Standard	IEC 61071, EN61071, VDE0560
Climatic Category	55 / 105 / 56
Rated Temperature	+85°C
Operation Temperature Range	-55 to + 105 °C
Rated Voltage	250, 310, 350, 400 VAC
Capacitance Range (μF)	1μF – 62 μF
Capacitance Tolerance	±5%, ±10%
Dissipation Factor	≤ 0.0007 with T = 25°C ±5°C
Insulation Resistance	IR x C ~ 30.000 seconds at 100 VDC 1 minute at T = +25°C ±5°C

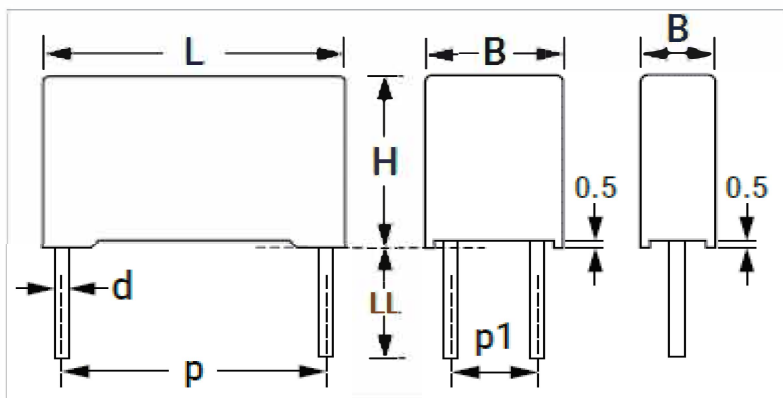
■ Part Number System

BMPF	AC250V	105	J	27.5	S	5	
Part-1	Part-2	Part-3	Part-4	Part-5	Part-6	Part-7	Part-8

Part-1 : Series Code(Series Name)-BMPF
 Part-2 : Rated Voltage(250~400VAC)
 Part-3 : Rated Capacitance Value(1 μF – 62 μF / 105~626)
 Part-4 : Capacitance Tolerance(J : ±5% K : ±10%)
 Part-5 : Lead Spacing(27.5mm / 37.5mm / 52.5mm)
 Part-6 : Forming -Type and Packing code
 Part-7 : Size Number (5~6 : Min-Type / 7 : Standard- Type / 8~15 : Large-Type)
 Part-8 : Internal Use

CODE	STYLE
B	Bending Forming
C	Straight Cutting
D	D-Type Forming
L	B-Type long Forming
M	C-Type long Forming
S	Straight
X	B-Type Forming
Y	C-Type Forming
Z	Z-Type Forming
T	A-Type Tapping
U	B-Type Tapping
V	C-Type Tapping

■ Dimensions



C μF	VNAC	VNDC	Dimensions (mm)					dV/dt (V/ μs)	Ipkr	ESL	RS	Irms*		Rth (HS/ Amb)	PART NUMBER
			B	H	L	P	P1					maxim um (*)	Arms	(°C/W)	
1	250	500	11	20	31.5	27.5	\	38	38	24	22	4.5	44	44	BMPF AC250V105J27.5S5_
1.5	250	500	11	20	31.5	27.5	\	38	56	24	15.6	5.4	44	44	BMPF AC250V155J27.5S5_
2.2	250	500	13	25	31.5	27.5	\	38	83	25	11.8	6.9	36	36	BMPF AC250V225J27.5S5_
3.3	250	500	19	29	31.5	27.5	\	38	125	26	9	8.9	29	29	BMPF AC250V335J27.5S5_
4.7	250	500	19	29	31.5	27.5	\	38	179	26	7.4	10	29	29	BMPF AC250V475J27.5S5_
6.8	250	500	22	37	31.5	27.5	\	38	259	28	6.6	12.1	23	23	BMPF AC250V685J27.5S5_
7.5	250	500	22	37	31.5	27.5	\	38	285	28	6.4	12.3	23	23	BMPF AC250V755J27.5S5_
10	250	500	20	40	42	37.5	10.2	27	272	29	4.8	15.2	20	20	BMPF AC250V106J37.5S5_
15	250	500	30	45	42	37.5	20.3	27	400	33	3.4	20.8	15	15	BMPF AC250V156J37.5S5_
22	250	500	35	50	42	37.5	20.3	27	587	35	2.6	25.4	13	13	BMPF AC250V226J37.5S5_
24.5	250	500	35	50	42	37.5	20.3	27	654	35	2.4	26.3	13	13	BMPF AC250V246J37.5S5_
33	250	500	35	50	57.5	52.5	20.3	18	587	38	3.4	26.1	10	10	BMPF AC250V336J52.5S5_
47	250	500	45	56	57.5	52.5	20.3	18	837	41	2.8	32	8	8	BMPF AC250V476J52.5S5_
55	250	500	45	56	57.5	52.5	20.3	18	960	41	2.4	33.9	8	8	BMPF AC250V556J52.5S5_
62	250	500	45	65	57.5	52.5	20.3	18	1116	45	2.4	36.5	7	7	BMPF AC250V626J52.5S5_
1	310	630	11	20	31.5	27.5	\	45	45	24	20.8	4.5	44	44	BMPF AC310V105J27.5S5_
1.5	310	630	13	25	31.5	27.5	\	45	68	25	15	6	36	36	BMPF AC310V155J27.5S5_
2.2	310	630	14	28	31.5	27.5	\	45	99	26	11.4	7.2	33	33	BMPF AC310V225J27.5S5_
3.3	310	630	19	29	31.5	27.5	\	45	149	26	8.6	9	29	29	BMPF AC310V335J27.5S5_
4.7	310	630	22	37	31.5	27.5	\	45	212	28	7.6	11	23	23	BMPF AC310V475J27.5S5_
6.8	310	630	20	40	42	37.5	10.2	32	218	30	5.8	13.5	20	20	BMPF AC310V685J37.5S5_
10	310	630	28	37	42	37.5	10.2	32	320	29	4.2	16.6	15	15	BMPF AC310V106J37.5S5_
15	310	630	35	50	42	37.5	20.3	32	480	35	3	23.1	13	13	BMPF AC310V156J37.5S5_
17	310	630	35	50	42	37.5	20.3	32	560	35	2.8	23.8	13	13	BMPF AC310V176J37.5S5_
22	310	630	35	50	57.5	52.5	20.3	21	462	38	4.2	23.2	10	10	BMPF AC310V226J52.5S5_
33	310	630	45	56	57.5	52.5	20.3	21	693	41	3	30.3	8	8	BMPF AC310V336J52.5S5_
37.5	310	630	45	56	57.5	52.5	20.3	21	788	41	2.8	30.9	8	8	BMPF AC310V376J52.5S5_
42	310	630	45	65	57.5	52.5	20.3	21	882	45	2.6	34.5	7	7	BMPF AC310V426J52.5S5_

Power Film Capacitors

C μF	VNAC	VNDC	Dimensions (mm)					dV/dt (V/μs)	Ipkr	ESL	RS	Irms*	Rth (HS/ Amb)	PART NUMBER
			B	H	L	P	P1					maxim um (*)		
									Apk	nH	mΩ	Arms	(°C/W)	
1	350	700	13	25	31.5	27.5	\	115	115	25	10.6	6.1	36	BMPF AC350V105J27.5S5_
1.5	350	700	14	28	31.5	27.5	\	115	173	26	8.2	7.5	33	BMPF AC350V155J27.5S5_
2.2	350	700	19	29	31.5	27.5	\	115	253	26	6.6	9.1	29	BMPF AC350V225J27.5S5_
3.3	350	700	22	37	31.5	27.5	\	115	380	28	6	11.4	23	BMPF AC350V335J27.5S5_
3.7	350	700	22	37	31.5	27.5	\	115	426	28	5.8	11.7	23	BMPF AC350V375J27.5S5_
4.7	350	700	20	40	42	37.5	10.2	75	353	30	4	14.7	20	BMPF AC350V475J37.5S5_
6.8	350	700	28	37	42	37.5	10.2	75	510	29	2.8	18.3	18	BMPF AC350V685J37.5S5_
10	350	700	35	50	42	37.5	20.3	75	750	35	2.2	24.8	13	BMPF AC350V106J37.5S5_
12.5	350	700	35	50	42	37.5	20.3	75	938	35	2	26.1	13	BMPF AC350V126J37.5S5_
15	350	700	35	50	57.5	52.5	20.3	50	750	38	2.8	27.1	10	BMPF AC350V156J52.5S5_
22	350	700	45	56	57.5	52.5	20.3	50	1100	41	2.2	34.2	8	BMPF AC350V226J52.5S5_
27	350	700	45	56	57.5	52.5	20.3	50	1350	41	2	35.4	8	BMPF AC350V276J52.5S5_
32	350	700	45	65	57.5	52.5	20.3	50	1600	41	1.8	39.9	7	BMPF AC350V326J52.5S5_
1	400	800	14	28	31.5	27.5	\	141	141	26	9.8	6.5	33	BMPF AC400V105J27.5S5_
1.5	400	800	19	29	31.5	27.5	\	141	212	26	7.6	8.1	29	BMPF AC400V155J27.5S5_
2.2	400	800	22	37	31.5	27.5	\	141	310	28	6.8	10.2	23	BMPF AC400V225J27.5S5_
2.5	400	800	22	37	31.5	27.5	\	141	353	28	6.4	10.6	23	BMPF AC400V255J27.5S5_
3.3	400	800	20	40	42	37.5	10.2	90	297	30	4.8	13	20	BMPF AC400V335J37.5S5_
4.7	400	800	28	37	42	37.5	10.2	90	423	29	3.4	16.1	18	BMPF AC400V475J37.5S5_
6.8	400	800	30	45	42	37.5	20.3	90	612	33	2.6	20.4	15	BMPF AC400V685J37.5S5_
9	400	800	35	50	42	37.5	20.3	90	810	35	2.2	24.1	13	BMPF AC400V905J37.5S5_
10	400	800	30	45	57.5	52.5	20.3	61	610	35	3.4	21.8	12	BMPF AC400V106J52.5S5_
15	400	800	45	56	57.5	52.5	20.3	61	915	41	2.6	31.1	8	BMPF AC400V156J52.5S5_
20	400	800	45	56	57.5	52.5	20.3	61	1220	41	2.2	33.3	8	BMPF AC400V206J52.5S5_
22.5	400	800	45	65	57.5	52.5	20.3	61	1373	45	2	37.4	7	BMPF AC400V226J52.5S5_