

Metallized polypropylene film Capacitors

BMPH

**polypropylene metallized film,
with rectangular plastic box type filled with resin**

■ Features

- Controlled self-healing
- Low losses
- High ripple current
- High contact reliability
- Suitable for high frequency applications

■ Applications

- Snubber Resonance pulse
- Blocking
- Clamper

■ Specifications

Reference Standard	VDE 0560 - IEC61071 - EN61071	
Climatic Category	40 / 85 / 56	
Rated Temperature	+85°C ±1.5% max on capacitance value measured at +20°C	
Operation Temperature Range	-40 to + 105 °C	
Rated Voltage	DC-TYPE	850~3000V
	AC-TYPE	500~750V
Capacitance Range (μF)	0.033μF – 4.7μF	
Capacitance Tolerance	±5%, ±10%	

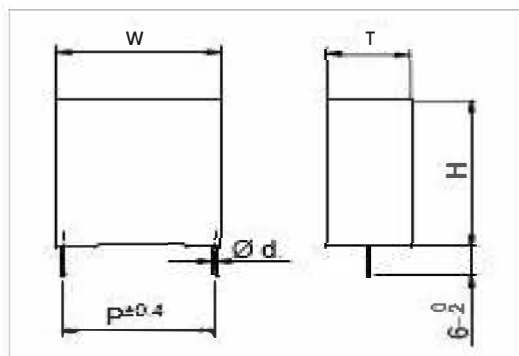
■ Part Number System

BMPH	850V	223	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)-**BMPH**
Part-2 : Rated Voltage(850~3000VDC)
Part-3 : Rated Capacitance Value(0.033μF – 4.7μF / 333~475)
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	Un Vdc	URMS Vac	dv/dt V/μs	IPKR A	ESR (mΩ)			IRMS (A)			DIMENSIONS					PART NUMBER
					max @ 100kHz			100kHz @70°C			mm					
					d=0.8	d=1.2	d=1.2	d=0.8	d=1.2	d=1.2	W	H	T	p	p1	
					2 wires	2 wires	4 wires	2 wires	2 wires	4 wires						
0.15	850	500	1232	185	14.3	13.6	-	8	8	-	32	20	10	27.5	-	BMPH850V154J27.5S5
0.22	850	500	1232	271	10.2	9.5	-	9	10	-	32	22	13	27.5	-	BMPH850V224J27.5S5
0.33	850	500	1232	407	7.6	6.9	6	9	13	14	32	28	14	27.5	5.1	BMPH850V334J27.5S5
0.47	850	500	1232	579	6.2	5.3	4.3	9	14	19	32	33	18	27.5	5.1	BMPH850V474J27.5S5
0.68	850	500	1232	838	5.2	4.2	3.1	9	14	25	32	37	22	27.5	10.2	BMPH850V684J27.5S5
1	850	500	758	758	6.2	5.2	4.1	9	14	22	41.5	40	20	37.5	10.2	BMPH850V105J37.5S5
2	850	500	758	1516	4.6	3.5	2.3	9	14	29	41.5	44	24	37.5	10.2	BMPH850V205J37.5S5
3	850	500	469	1407	5.6	4.5	3.2	9	14	29	57.5	45	30	52.5	10.2	BMPH850V305J52.5S5
4	850	500	469	1876	4.9	3.8	2.5	9	14	29	57.5	45	30	52.5	20.3	BMPH850V405J52.5S5
5	850	500	469	2345	4.7	3.5	2.1	9	14	29	57.5	50	35	52.5	20.3	BMPH850V505J52.5S5
0.15	1000	600	1344	202	13.3	12.7	-	8	8	-	32	20	10	27.5	-	BMPH1000V154J27.5S5
0.22	1000	600	1344	296	9.7	9	8.3	9	11	11	32	22	13	27.5	5.1	BMPH1000V224J27.5S5
0.33	1000	600	1344	444	7.3	6.5	5.6	9	14	15	32	28	14	27.5	5.1	BMPH1000V334J27.5S5
0.47	1000	600	1344	632	6	5.1	4.1	9	14	20	32	33	18	27.5	5.1	BMPH1000V474J27.5S5
0.68	1000	600	1344	914	5	4	3	9	14	25	32	37	22	27.5	10.2	BMPH1000V684J27.5S5
1	1000	600	827	827	5.9	5	3.9	9	14	22	41.5	40	20	37.5	10.2	BMPH1000V105J37.5S5
1.5	1000	600	827	1241	4.7	3.8	2.7	9	14	29	42.5	37	28	37.5	10.2	BMPH1000V155J37.5S5
2	1000	600	827	1654	4.5	3.4	2.2	9	14	29	42	45	30	37.5	20.3	BMPH1000V205J37.5S5
2.2	1000	600	827	1819	4.4	3.3	2	9	14	29	42	45	30	37.5	20.3	BMPH1000V225J37.5S5
3	1000	600	512	1536	5.4	4.3	3	9	14	29	57.5	45	30	52.5	20.3	BMPH1000V305J52.5S5
4	1000	600	512	2048	5	3.8	2.4	9	14	29	57.5	50	35	52.5	20.3	BMPH1000V405J52.5S5
4.7	1000	600	512	2406	4.7	3.5	2.1	9	14	29	57.5	50	35	52.5	20.3	BMPH1000V475J52.5S5
0.1	1200	630	1568	157	17.4	16.8	-	7	7	-	32	20	10	27.5	-	BMPH1200V104J27.5S5
0.15	1200	630	1568	235	12.2	11.6	-	9	10	-	32	22	13	27.5	-	BMPH1200V154J27.5S5
0.22	1200	630	1568	345	9.2	8.4	7.5	9	12	13	32	28	14	27.5	5.1	BMPH1200V224J27.5S5
0.33	1200	630	1568	517	7	6.1	5.1	9	14	18	32	33	18	27.5	5.1	BMPH1200V334J27.5S5

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C μF	Un Vdc	URMS Vac	dv/dt V/μs	IPKR A	ESR (mΩ)			IRMS (A)			DIMENSIONS					PART NUMBER
					max @ 100kHz			100kHz @70°C			mm					
					d=0.8	d=1.2	d=1.2	d=0.8	d=1.2	d=1.2	W	H	T	p	p1	
					2 wires	2 wires	4 wires	2 wires	2 wires	4 wires						
0.47	1200	630	1568	737	5.8	4.8	3.7	9	14	23	32	37	22	27.5	10.2	BMPH1200V474J27.5S5_
0.68	1200	630	965	656	7	6	4.9	9	14	20	41.5	40	20	37.5	10.2	BMPH1200V684J37.5S5_
1	1200	630	965	965	5.6	4.6	3.5	9	14	26	41.5	40	20	37.5	10.2	BMPH1200V105J37.5S5_
1.2	1200	630	965	1158	5	4	2.9	9	14	28	42.5	37	28	37.5	10.2	BMPH1200V125J37.5S5_
2	1200	630	598	1196	6.2	5	3.8	9	14	28	57.5	45	30	52.5	10.2	BMPH1200V205J52.5S5_
2.2	1200	630	598	1316	5.9	4.7	3.5	9	14	29	57.5	45	30	52.5	10.2	BMPH1200V225J52.5S5_
2.5	1200	630	598	1495	5.5	4.4	3.1	9	14	29	57.5	45	30	52.5	20.3	BMPH1200V255J52.5S5_
3	1200	630	598	1794	5.3	4.1	2.7	9	14	29	57.5	50	35	52.5	20.3	BMPH1200V305J52.5S5_
3.5	1200	630	598	2093	5	3.7	2.4	9	14	29	57.5	50	35	52.5	20.3	BMPH1200V355J52.5S5_
0.033	2000	700	2240	74	40	39.3	-	5	5	-	32	20	10	27.5	-	BMPH2000V333J27.5S5_
0.047	2000	700	2240	105	28.5	27.9	-	6	6	-	32	20	10	27.5	-	BMPH2000V473J27.5S5_
0.068	2000	700	2240	152	20.3	19.6	-	8	8	-	32	22	13	27.5	-	BMPH2000V683J27.5S5_
0.1	2000	700	2240	224	14.6	13.8	13	9	10	11	32	28	14	27.5	5.1	BMPH2000V104J27.5S5_
0.15	2000	700	2240	336	10.7	9.8	8.8	9	14	15	32	33	18	27.5	5.1	BMPH2000V154J27.5S5_
0.22	2000	700	2240	493	8	7.1	6.1	9	14	17	32	33	18	27.5	10.2	BMPH2000V224J27.5S5_
0.33	2000	700	1380	455	9.4	8.5	7.4	9	14	16	41.5	40	20	37.5	10.2	BMPH2000V334J37.5S5_
0.68	2000	700	1380	937	6.1	5	3.8	9	14	25	41.5	44	24	37.5	10.2	BMPH2000V684J37.5S5_
1	2000	700	850	850	7.7	6.6	5.3	9	14	24	57.5	45	30	52.5	10.2	BMPH2000V105J52.5S5_
1.5	2000	700	850	1280	6.3	5.1	3.7	9	14	29	57.5	50	35	52.5	20.3	BMPH2000V155J52.5S5_
0.022	3000	750	3360	74	47.9	47.3	-	5	5	-	32	20	10	27.5	-	BMPH3000V223J27.5S5_
0.033	3000	750	3360	111	32.6	31.9	-	7	7	-	32	22	13	27.5	-	BMPH3000V333J27.5S5_
0.047	3000	750	3360	158	23.7	22.9	22	9	9	9	32	28	14	27.5	5.1	BMPH3000V473J27.5S5_
0.068	3000	750	3360	228	17	16.2	15.3	9	10	11	32	28	14	27.5	5.1	BMPH3000V683J27.5S5_
0.1	3000	750	3360	336	12.4	11.5	10.5	9	13	15	32	33	18	27.5	10.2	BMPH3000V104J27.5S5_
0.15	3000	750	3360	504	9.2	8.2	7.2	9	14	19	32	37	22	27.5	10.2	BMPH3000V154J27.5S5_
0.22	3000	750	2070	455	10.5	9.4	8.2	9	14	18	41.5	40	20	37.5	10.2	BMPH3000V224J37.5S5_
0.33	3000	750	2070	682	7.9	6.8	5.6	9	14	21	41.5	44	24	37.5	10.2	BMPH3000V334J37.5S5_
0.47	3000	750	1280	601	10.1	9	7.7	9	14	20	57.5	45	30	52.5	10.2	BMPH3000V474J52.5S5_
0.82	3000	750	1280	1050	7.2	6	4.6	9	14	27	57.5	50	35	52.5	20.3	BMPH3000V824J52.5S5_