

Sounds divider

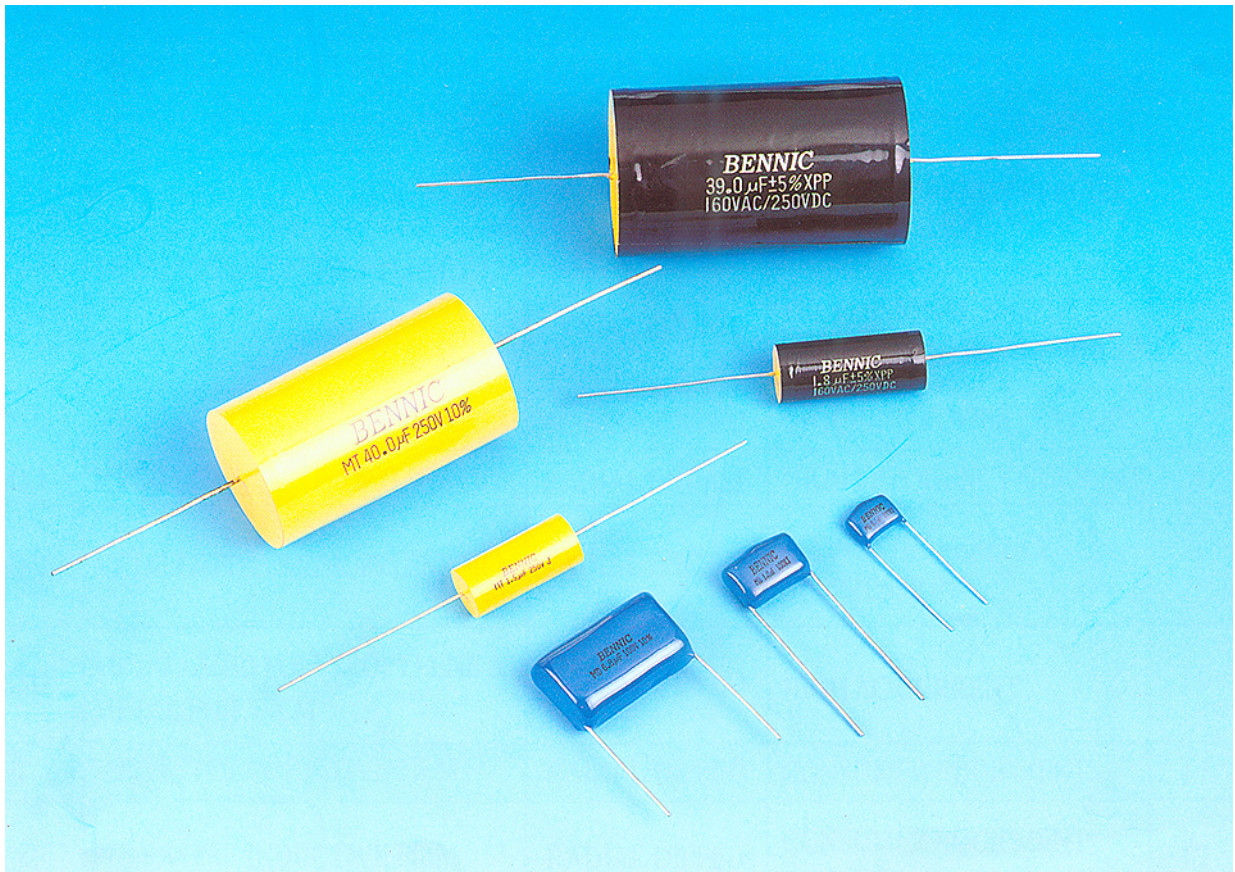


BENNIC COMPONENTS

| IATF 16949 | ISO 14001 | ISO 9001 | IMDS ID:38606 |



RELIABLE FILM CAPACITORS



V.2019.03

BENNIC AND COMPANY

TEL : +886 2 2765 4485

FAX : +886 2 2763 6054

E-mail : mail@bennic.com.tw

<http://www.bennic.com.tw>



www.bennic.com.tw

I N D E X

SERIES	DESCRIPTION	FORM	APPLICATIONS	PAGE
BMET	METALLIZED POLYESTER FILM	AXIAL TUBULAR	COMMERCIAL INDUSTRIAL	2-4
BMEF		AXIAL FLAT		
BMED	METALLIZED POLYESTER FILM	RADIAL DIPPED	GENERAL PURPOSE	5-6
BMEE	METALLIZED POLYESTER FILM	RADIAL ENCASE	GENERAL PURPOSE	7
BMEEs	METALLIZED POLYESTER FILM	RADIAL ENCASE	SPACE SAVING MINI SIZE	8
BMPT	METALLIZED POLYPROPYLENE FILM	AXIAL TUBULAR	HIGH FREQUENCY PRECISE VALUES	9-11
BMPF		AXIAL FLAT		
XPP		AXIAL TUBULAR	PROFESSIONAL X-OVER NETWORK	
FPP		AXIAL TUBULAR	HI-END X-OVER NETWORK	12-13
UPP				
BMPD	METALLIZED POLYPROPYLENE FILM	RADIAL DIPPED	SWICHING POWER SUPPLIES	14
BMPEX1	METALLIZED POLYPROPYLENE FILM	RADIAL ENCASE	HIGH FREQUENCY CURRENT	15
BMPEX2	METALLIZED POLYPROPYLENE FILM	RADIAL ENCASE	MAIN INTERFERENCE SUPPRESSION	16
BMPDS	METALLIZED POLYPROPYLENE & METAL FOIL FILM	RADIAL DIPPED	HIGH AC CURRENT	17
BPEDI	POLYESTER INDUCTIVE FILM	RADIAL DIPPED	CONSUMER EQUIPMENT	18
BPEDIs	POLYESTER INDUCTIVE FILM	RADIAL DIPPED	CONSUMER EQUIPMENT MINI SIZE	19
BPPTN	POLYPROPYLENE NON-INDUCTIVE FILM	AXIAL TUBULAR	LOW D.F. HIGH I.R.	20
BPPDN		RADIAL DIPPED	LOW D.F. HIGH I.R.	21
BPPDI	POLYPROPYLENE INDUCTIVE FILM	RADIAL DIPPED	LOW D.F. HIGH I.R. SMALL SIZE	22



METALLIZED POLYESTER FILM CAPACITORS

BMET SERIES (PEMT) (AXIAL TUBULAR)

BMETs SERIES (MINI SIZE - FOR HI-POWER CO-AXIAL SPEAKER)

BMETxs SERIES (EXTRA MINI SIZE - FOR HI-POWER CO-AXIAL SPEAKER)

BMEF SERIES (PEMF) (AXIAL FLAT)

BMEFs SERIES (MINI SIZE - FOR HI-POWER CO-AXIAL SPEAKER)

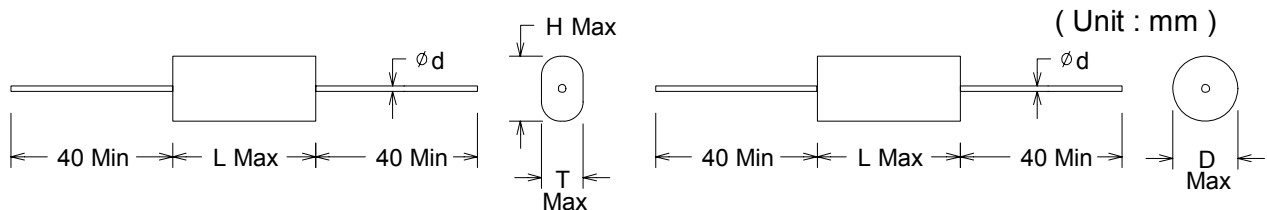
BMEFxs SERIES (EXTRA MINI SIZE - FOR HI-POWER CO-AXIAL SPEAKER)

1) FIGURE :

BMEF (PEMF)



BMET (PEMT)



BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 40mm

LEAD DIA. : Ø0.6mm FOR BODY DIA. UNDER 8mm, Ø0.8 or 1.0mm FOR BODY SIZE EXCEED 8mm

COLOR : YELLOW BODY (EPOXY&TAPE), BLACK WORDING

** CP LEADS (BMET,BMEF,BMEE,BMED).

2) CHARACTERISTICS :

TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J) or $\pm 2.5\%$ (H) or $\pm 1\%$ (F)

DISSIPATION FACTOR($\tan \delta$) : Max 0.01 (1.0%) AT 1KHZ

TEMPERATURE : -40°C TO +85°C (UPON REQUESTED - 40 °C TO +105 °C)

INSULATING RESIS : $C \leq 0.33\mu F$, I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)

$C > 0.33\mu F$, I.R. ≥ 5000 Mega-Ohm (AT 20 °C, 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85 °C FOR 1,000 HOURS

HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) MARKING :

BENNIC
MT xx μF xxxV x% or BENNIC
MF xx μF xxxV x%

**4) BODY SIZE** (Unit: m/m)**BMET Series (PEMT) BODY SIZE TABLE (FOR STANDARD VALUE) - UNIT: mm**TOL. L ± 1 mm , D<10mm ± 1 mm , D10~20mm ± 2 mm , D>20mm ± 2.5 mm

Series		BMETxs (Extra Mini Size)	BMETs (Mini size)	BMET			
w v		100VDC	100VDC	100VDC	250VDC	400VDC	630VDC
SYMBOL	μ F	D x L	D x L	D x L	D x L	D x L	D x L
103	0.01			5 x 15	5 x 15	5 x 15	5 x 15
153	0.015			5 x 15	5 x 15	5 x 15	5 x 15
223	0.022			5 x 15	5 x 15	5 x 15	5 x 15
333	0.033			5 x 15	5 x 15	5 x 15	5 x 15
473	0.047			5 x 15	5 x 15	5 x 15	5 x 15
683	0.068			5 x 15	5 x 15	8.0 x 15	7.0 x 15
104	0.1			5.5 x 15	5.5 x 15	8.5 x 15	9.5 x 19
154	0.15			5.5 x 15	7 x 15	6.5 x 25	11.2 x 19
224	0.22			6 x 15	8 x 14	7.5 x 25	11 x 25
334	0.33			5.5 x 19	7 x 19	9.5 x 25	13.5 x 25
474	0.47	5.5 x 15	5 x 19	6.5 x 19	8.5 x 19	11.2 x 25	13.5 x 32
684	0.68	6 x 15	5.5 x 19	7.5 x 19	8.5 x 25	13.2 x 25	15.5 x 32
105	1	5.5 x 19	6.5 x 19	9 x 19	9.5 x 25	12.5 x 32	19 x 32
125	1.2	6 x 19	7 x 19	9.5 x 19	10.5 x 25	14 x 32	20.5 x 32
155	1.5	6.5 x 19	7.5 x 19	9 x 25	12 x 25	15.5 x 32	23 x 32
185	1.8	7 x 19	8 x 19	9.5 x 25	12.5 x 25	17 x 32	21.5 x 46
225	2.2	7.5 x 19	7.5 x 25	10.5 x 25	12 x 32	19 x 32	24 x 46
275	2.7	8.5 x 19	8 x 25	11.5 x 25	13.0 x 32	16.5 x 46	26.5 x 46
335	3.3	9 x 19	9 x 25	10.5 x 32	14.0 x 32	18 x 46	29 x 46
395	3.9	9.5 x 19	9.5 x 25	11.5 x 32	15.5 x 32	19.5 x 46	30.5 x 46
475	4.7	10.5 x 19	10.5 x 25	12.5 x 32	16.5 x 32	21.5 x 46	28.5 x 56
565	5.6	11.5 x 19	11.5 x 25	13.5 x 32	18.0 x 32	23.5 x 46	31 x 56
685	6.8	12.5 x 19	12.5 x 25	15 x 32	16 x 46	26 x 46	34 x 56
755	7.5	13.5 x 19	13 x 25	15.5 x 32	17 x 46	24 x 56	36 x 56
825	8.2	11.5 x 25	13.5 x 25	16 x 32	17.5 x 46	25 x 56	37.5 x 56
106	10	12.5 x 25	13 x 32	17.5 x 32	19.5 x 46	28 x 56	41.5 x 56
126	12	14 x 25	14 x 32	15.5 x 46	21.5 x 46	30.5 x 56	41 x 66
156	15	15.5 x 25	15.5 x 32	17.5 x 46	23.5 x 46	34 x 56	46 x 66
186	18	17 x 25	17 x 32	19 x 46	26 x 46	33.5 x 65	44.5 x 81
226	22	16 x 32	15 x 46	21 x 46	28.5 x 46	37 x 65	50 x 81
276	27	17.5 x 32	16.5 x 46	23 x 46	28 x 56	41 x 65	55 x 81
336	33	19.5 x 32	18 x 46	22.5 x 56	31 x 56	45 x 65	60.5 x 81
396	39	21 x 32	19.5 x 46	24.5 x 56	33.5 x 56		
476	47	18 x 46	21.5 x 46	27 x 56	37 x 56		
566	56	19.5 x 46	23.5 x 46	29 x 56	38 x 61		
686	68	21.5 x 46	25.5 x 46	32 x 56	45.0 x 61		
756	75	22.5 x 46	27 x 46	33.5 x 56	44 x 61		
826	82	24 x 46	28 x 46	35 x 56	46 x 61		
107	100	26.5 x 46	28 x 56	39 x 56	48 x 65		
127	120	29 x 46	30.5 x 56	40 x 61	54 x 65		
157	150	32.5 x 46	34 x 56	45 x 61	59 x 65		
207	200	37.5 x 46	39.5 x 56	44 x 81	61 x 81		
257	250	41.5 x 46	44 x 56	50 x 81	68 x 81		

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

**BMEF Series (PEMF) BODY SIZE TABLE (FOR STANDARD VALUE) - UNIT: mm**TOL. L ± 1 mm , T/H $<10\text{mm} \pm 1$ mm , T/H $10\sim 20\text{mm} \pm 2$ mm , T/H $>20\text{mm} \pm 2.5$ mm

Series		BMEFxs (Extra Mini Size)	BMEFs (Mini size)	BMEF			
w v		100VDC	100VDC	100VDC	250VDC	400VDC	630VDC
SYMBOL	μF	L x T x H	L x T x H	L x T x H	L x T x H	L x T x H	L x T x H
104	0.1			15x5.0x8.5	15x5.0x8.5	19x5.0x8.5	19x6.0x11.0
154	0.15			15x4.5x7.5	15x4.5x7.5	19x6.0x10.0	19x7.0x13.0
224	0.22			15x5.0x9.0	15x5.0x9.0	19x6.5x12.0	25x7.5x14.0
334	0.33			19x4.5x8.5	19x4.5x8.5	25x7.0x13.0	25x9.0x15.0
474	0.47			19x5.5x9.5	19x5.5x9.5	25x7.0x14.0	31x10.0x14.0
684	0.68			19x4.5x8.5	19x7.0x11	25x10.0x14.0	31x15.0x20.0
105	1	15x3.5x7.5	19x4x7	19x5.5x10	25x7.0x11	25x12.0x16.0	31x17.0x23.0
125	1.2	15x4x8	19x4.5x7.5	19x6x10	25x7.5x11.5	25x14.0x18.0	31x18.0x24.0
155	1.5	15x4.5x8.5	19x5.5x10.5	25x5.5x10.5	32x6.5x11.5	31x15.0x20.0	46x16.5x21.5
185	1.8	15x5x9	19x6.0x11.0	25x6x11	32x7.5x12.5	31x16.0x22.0	46x18.5x23.5
225	2.2	19x4x8	25x6.0x10.0	25x7x12	32x8.5x13.5	31x17.0x24.0	46x20.0x25.0
275	2.7	19x4.5x8.5	25x6.5x10.5	25x7.5x14	32x 9.0x15.5	46x14.0x16.0	46x22.0x27.0
335	3.3	25x4.5x8.5	25x6.5x11.5	32x7.5x12.5	32x10x16.5	46x15.0x18.0	46x25.0x29.0
395	3.9	25x5x9	25x7.0x12.5	32x7.5x14	32x11x17.5	46x15.0x20.0	46x26.0x32.0
475	4.7	25x5.5x9.5	25x7.5x14.0	32x8.5x15	32x12.5x19	46x16.0x22.0	56x22.0x28.0
565	5.6	25x6.5x10.5	25x8.0x14.5	32x9.5x16	46x10.5x17	46x23.0x28.0	56x26.0x32.0
685	6.8	25x7x11	25x9.0x15.5	32x 10.5x17.0	46x12.0x18.5	46x25.0x30.0	56x30.0x34.0
755	7.5	25x7.5x11.5	25x9.5x16.0	32x11x18	46x12.5x19	56x18.0x28.0	56x33.0x36.0
825	8.2	25x8x12	25x10.5x17.0	32x12x18.5	46x13.5x20.0	56x19.0x30.0	56x32.0x42.0
106	10	32x7.5x11.5	32x9.5x16	36x12x18.5	46x13.5x23.5	56x21.0x31.0	56x34.0x44.0
126	12	32x8.5x12.5	32x11x17.5	46x11.5x18	46x15x 25	56x28.0x36.0	61x36.0x44.0
156	15	32x9.5x13.5	32x12.5x19	46x12.5x20.5	46x17.5x27.5	56x30.0x40.0	
186	18	32x10.5x14.5	32x13.5x20.5	46x14x22	46x19.5x29.5	61x30.0x40.0	
226	22	32x11.5x16.5	46x12x18.5	46x15x24.5	46x22x32	61x35.0x44.0	
276	27	32x13x18	46x13.5x20	56 x15.5 x23.5	56x21.5x31.5		
336	33	46x10.5x17	46x15x21.5	56x16.5x26.5	56x24.5x 34		
476	47	46x13x19.5	46x17x27	56x20.5x 30.5	56x30.0x40.0		
566	56			56x23x33	61x29.5x42.5		
686	68			56x25x34.5	61x33.5x46.5		
756	75			61x23.5x33.5	61x35x48.5		
826	82			61x24.5x34	66x35x48		
107	100			61x26x39	66x39.5 x52.5		
127	120			61x29x42			

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

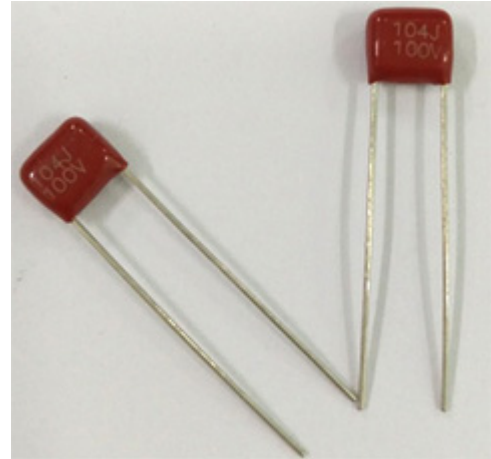
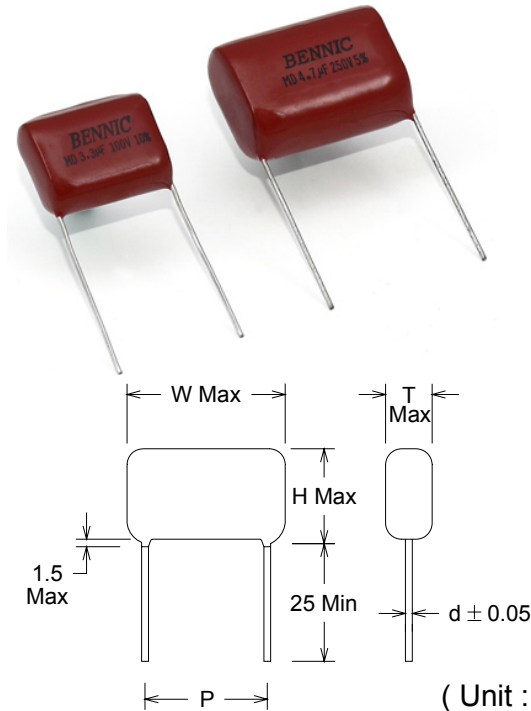


METALLIZED POLYESTER FILM CAPACITORS

BMED SERIES (PEMD) (RADIAL DIPPED)

BMEDs SERIES (MINI SIZE - FOR HI-POWER CO-AXIAL SPEAKER)

1) FIGURE :



BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 25mm

COLOR : BLUE or BROWN EPOXY DIPPED, BLACK WORDING

LEAD DIA. & PITCH: (Unit: m/m)

BODY LENGTH	12.5	19.0	24.0	31.0
LEAD PITCH ± 1.5	10.0	15.0	20.0	27.5
LEAD DIA. ± 0.05	0.6	0.8	0.8	0.8

** CP LEADS (BMET,BMEF,BMEE,BMED).

2) CHARACTERISTICS :

TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J) or $\pm 2.5\%$ (H) or $\pm 1\%$ (F)

DISSIPATION FACTOR($\tan \delta$) : Max 0.01(1.0%) AT 1KHZ

TEMPERATURE : -40°C TO $+85^{\circ}\text{C}$ (UPON REQUESTED - 40°C TO $+105^{\circ}\text{C}$)

INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20°C , 1min)

$C > 0.33\mu\text{F}$, I.R. ≥ 5000 Mega-Ohm (AT 20°C , 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURS

HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) MARKING :

BENNIC

MD xx μF xxxV x%



4) BODY SIZE (WxHxT) (Unit: m/m)

BMED Series (PEMD) BODY SIZE TABLE (FOR STANDARD VALUE) - UNIT: mm

TOL. W/ T/ H ± 1 mm , W/ T/ H 10~20mm ± 2 mm , W/ T/ H >20mm ± 2.5 mm

Series		BMEDs (Mini size)	BMED			
w v		100VDC	100VDC	250VDC	400VDC	630VDC
SYMBOL	μ F	W x T x H	W x T x H	W x T x H	W x T x H	W x T x H
103	0.01		12.5x6.0x8.5	12.5x6.0x8.5	12.5x6.0x8.5	12.5x6.0x8.5
153	0.015		12.5x6.0x8.5	12.5x6.0x8.5	12.5x6.0x8.5	12.5x6.0x8.5
223	0.022		12.5x6.0x8.5	12.5x6.0x8.5	12.5x6.0x8.5	12.5x6.0x9.5
333	0.033		12.5x6.0x8.5	12.5x6.0x8.5	12.5x6.5x9.5	18x6.0x9.5
473	0.047		12.5x6.0x8.5	12.5x6.0x8.5	12.5x6.5x10.5	18x7.0 x10
683	0.068		12.5x6.0x9.5	12.5x6.0x9.5	12.5x7x11.5	18x7.5x11
104	0.1		12.5x5.0x9.5	12.5x5.5x9.5	19x6.5x12.5	19x7.0x17.0
154	0.15		12.5x5.0x9.5	19x5.5x10.5	19x6.5x12.5	19x8.5x14.5
224	0.22		12.5x5.5x9.5	19x8.5x10.5	19x7.5x13.5	25x10.0x16.0
334	0.33		19x5.5x9.5	19x7.0x12.5	25x8.5x13.5	31x10.0x16.0
474	0.47		19x6.0x10.0	19x7.0x15.0	25x8.5x15.0	31x11.0x18.0
684	0.68		19x7.5x12.0	25x8.0x13.0	31x9.0x15.5	
105	1	19x5.5x10.0	19x7.5x14.0	25x8.0x15.0	31x12.0x18.0	
125	1.2	19x6.0x11.0	19x9.5x16.0	25x10.0x17.0	31x14.0x19.0	
155	1.5	19x6.5x12.5	25x7.5x14.5	25x12.0x19.0	31x16.0x21.0	
185	1.8	19x7.0x13.0	25x8.5x15.5	25x13.0x20.0	31x18.0x22.0	
225	2.2	25x7.0x12.0	25x9.0x16.0	31x10.0x18.0	31x20.0x24.0	
275	2.7	25x8.0x13.0	25x10.0x17.0	31x12.0x20.0		
335	3.3	25x8.0x14.0	25x11.0x18.0	31x14.0x22.0		
395	3.9	25x8.5x15.0	31x10.0x16.0	31x16.0x23.0		
475	4.7	25x9.5x16.5	31x11.0x18.0	31x18.0x23.0		
565	5.6	25x10.0x17.0	31x12.0x18.0			
685	6.8	25x11.0x18.5	31x12.0x19.0			
755	7.5	25x11.5x19.0				
825	8.2	25x12.5x20.0				
106	10	25x13.0x20.5				
126	12	25x14.5x21.5				
156	15	31x15.0x22.0				
186	18	31x16.0x23.5				
226	22	31x17.0x25.0				
276	27	31x18.0x26.5				
336	33	31x20.5x30.0				

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

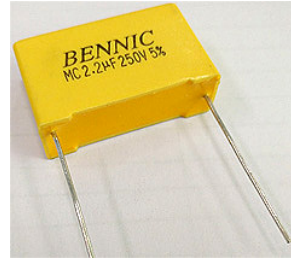
** SIZE MAYBE CHANGED W/O NOTICE



METALLIZED POLYESTER FILM CAPACITORS

BMEE SERIES (PEME) (RADIAL ENCASE)

1) FIGURE :



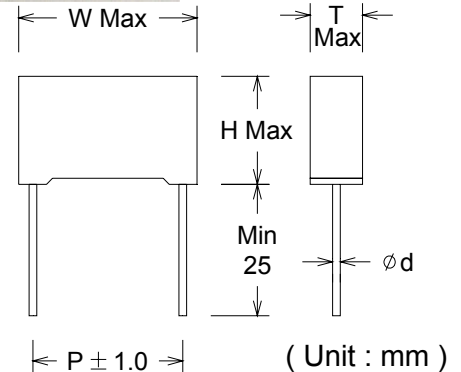
BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 25mm

COLOR : YELLOW or WHITE BODY, BLACK WORDING

LEAD DIA. & PITCH: (Unit: m/m)

BODY LENGTH	10.5	13.0	18.0	26.5	32.0
LEAD PITCH ± 1.0	7.5	10.0	15.0	20.0	27.5
LEAD DIA. ± 0.05	0.6	0.6	0.8	0.8	0.8

** CP LEADS (BMET,BMEF,BMEE,BMED).



(Unit : mm)

2) CHARACTERISTICS :

TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J) or $\pm 2.5\%$ (H) or $\pm 1\%$ (F)

DISSIPATION FACTOR($\tan \delta$) : Max 0.01(1.0%) AT 1KHZ

TEMPERATURE : -40°C TO $+85^{\circ}\text{C}$ (UPON REQUESTED - 40°C TO $+105^{\circ}\text{C}$)

INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20°C , 1min)
 $C > 0.33\mu\text{F}$, I.R. ≥ 5000 Mega-Ohm (AT 20°C , 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURS

HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) MARKING :

BENNIC
 ME xx μF xxxV x% or MC xx μF xxxV x%

4) BODY SIZE (WxHxT) (Unit: m/m) TOL. ± 1 mm

CAPACITANCE		100VDC			250VDC			400VDC			630VDC		
SYMBOL	MFD	W	H	T	W	H	T	W	H	T	W	H	T
102	0.001	10.5	9.0	4.0	10.5	9.0	4.0	10.5	9.0	4.0	10.5	9.0	4.0
103	0.01	13.0	9.0	4.0	13.0	9.0	4.0	13.0	9.0	4.0	13.0	9.0	4.0
223	0.022	13.0	9.0	4.0	13.0	9.0	4.0	13.0	9.0	4.0	18.0	11.0	5.0
333	0.033	13.0	9.0	4.0	13.0	9.0	4.0	13.0	11.0	5.0	18.0	11.0	5.0
473	0.047	13.0	9.0	4.0	13.0	9.0	4.0	13.0	12.0	6.0	18.0	12.0	6.0
683	0.068	13.0	9.0	4.0	13.0	9.0	4.0	18.0	11.0	5.0	18.0	13.5	7.5
104	0.1	13.0	9.0	4.0	13.0	11.0	5.0	18.0	12.0	6.0	18.0	13.5	7.5
154	0.15	13.0	9.0	4.0	13.0	12.0	6.0	18.0	13.5	7.5	26.5	15.0	6.0
224	0.22	13.0	11.0	5.0	13.0	12.0	6.0	26.5	15.0	6.0	26.5	19.0	10.0
334	0.33	18.0	11.0	5.0	18.0	12.0	6.0	26.5	15.0	6.0	32.0	20.0	11.0
474	0.47	18.0	12.0	6.0	18.0	13.5	7.5	26.5	17.0	8.5	32.0	22.0	13.0
684	0.68	18.0	12.0	6.0	26.5	15.0	6.0	32.0	20.0	11.0	32.0	22.0	13.0
105	1.0	18.0	13.5	7.5	26.5	17.0	8.5	32.0	22.0	13.0	32.0	22.0	13.0
155	1.5	26.5	15.0	6.0	32.0	20.0	11.0	32.0	22.0	13.0			
225	2.2	26.5	17.0	8.5	32.0	20.0	11.0						
335	3.3	26.5	19.0	10.0	32.0	22.0	13.0						
475	4.7	32.0	20.0	11.0									
685	6.8	32.0	22.0	13.0									

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

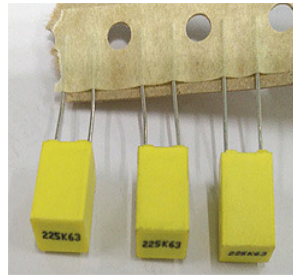
** SIZE MAYBE CHANGED W/O NOTICE



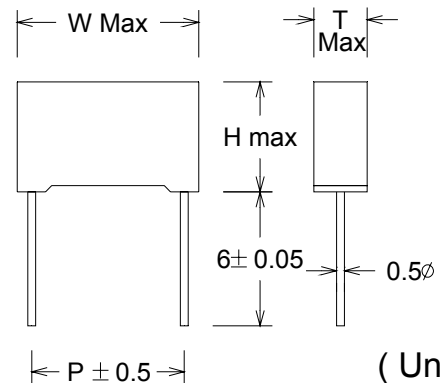
METALLIZED POLYESTER FILM CAPACITORS

BMEEs SERIES (PEMM) (RADIAL MINI ENCASE - TAPE/PEEL)

1) FIGURE :



BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH 6 ± 0.5 mm
COLOR : YELLOW BODY, BLACK WORDING



(Unit : mm)

2) CHARACTERISTICS :

TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J) or $\pm 2.5\%$ (H) or $\pm 1\%$ (F)
DISSIPATION FACTOR($\tan \delta$) : Max 0.01 (1.0%) AT 1KHZ
TEMPERATURE : -40°C TO $+85^{\circ}\text{C}$ (UPON REQUESTED - 40°C TO $+105^{\circ}\text{C}$)
INSULATING RESIS : $C \leq 0.33\mu\text{F}$, $\text{I.R.} \geq 7500$ Mega-Ohm (AT 20°C , 1min)
 $C > 0.33\mu\text{F}$, $\text{I.R.} \geq 5000$ Mega-Ohm (AT 20°C , 1min)
LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURS
HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS
LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .
LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) MARKING :

BENNIC
MM xx μF xxxV x%

4) BODY SIZE (WxHxT) (Unit: m/m) TOL. ± 1 mm

CAPACITANCE		LEAD SPACING 5.0mm									LEAD SPACING 7.5mm								
		63V- / 40 ~			100V- / 63V~			63V-/40~			100V- / 63V~			250V- / 160V~			400V- / 200V~		
SYMBOL	MFD	W	H	T	W	H	T	W	H	T	W	H	T	W	H	T	W	H	T
102	0.001				7.2	6.5	2.5												
152	0.0015				7.2	6.5	2.5												
222	0.0022				7.2	6.5	2.5												
332	0.0033				7.2	6.5	2.5												
472	0.0047				7.2	6.5	2.5										10.5	6.5	3.5
682	0.0068				7.2	6.5	2.5										10.5	6.5	3.5
103	0.01				7.2	6.5	2.5							10.5	6.5	3.5	10.5	6.5	4.0
153	0.015				7.2	6.5	2.5							10.5	6.5	3.5	10.5	6.5	4.0
223	0.022				7.2	6.5	2.5							10.5	6.5	3.5	10.5	6.5	5.0
333	0.033				7.2	6.5	2.5				10.5	6.5	3.5	10.5	9.0	4.0	10.5	6.5	6.0
473	0.047	7.2	6.5	2.5	7.2	6.5	3.0				10.5	6.5	3.5	10.5	9.0	4.0			
683	0.068	7.2	6.5	2.5	7.2	7.5	3.5	10.5	6.5	3.5	10.5	9.0	4.0	10.5	11.0	5.0			
104	0.1	7.2	6.5	3.0	7.2	9.5	4.5	10.5	6.5	3.5	10.5	9.0	4.0	10.5	11.0	5.0			
154	0.15	7.2	7.5	3.5	7.2	10.0	5.0	10.5	6.5	3.5	10.5	9.0	4.0	10.5	12.0	6.0			
224	0.22	7.2	7.5	3.5	7.2	11.0	6.0	10.5	9.0	4.0	10.5	11.0	5.0						
334	0.33	7.2	9.5	4.5				10.5	9.0	4.0	10.5	11.0	5.0						
474	0.47	7.2	10.0	5.0				10.5	11.0	5.0									
684	0.68	7.2	11.0	6.0				10.5	11.0	5.0									
105	1.0	7.2	11.0	6.0				10.5	12.0	6.0									

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE



METALLIZED POLYPROPYLENE FILM CAPACITORS

XPP SERIES (AXIAL TUBULAR)

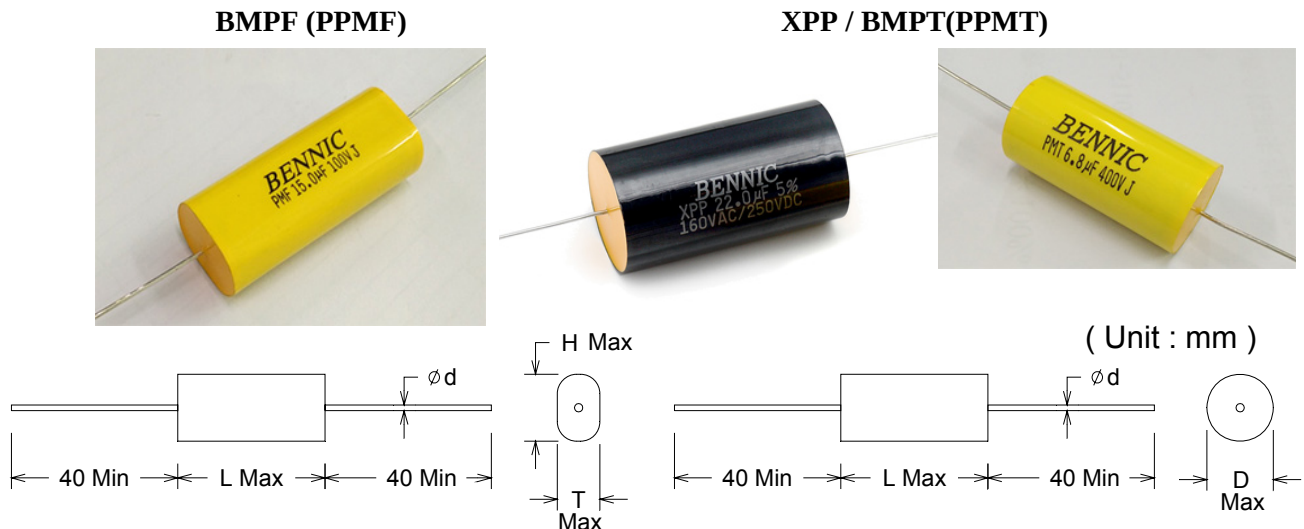
BMPT SERIES (PPMT) (AXIAL TUBULAR)

BMPTs SERIES (AXIAL TUBULAR) (MINI SIZE - FOR CO-AXIAL SPEAKER USE)

BMPF SERIES (PPMF) (AXIAL FLAT)

BMPFs SERIES (AXIAL FLAT) (MINI SIZE - FOR CO-AXIAL SPEAKER USE)

1) FIGURE :



BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 40mm

LEAD DIA. : Ø0.6mm FOR BODY DIA. UNDER 8mm, Ø0.8 or 1.0mm FOR BODY SIZE EXCEED 8mm

COLOR : "BMPT" YELLOW BODY (EPOXY & TAPE), BLACK WORDING
 "BMPF" YELLOW BODY (EPOXY & TAPE), BLACK WORDING
 "XPP" YELLOW EPOXY BLACK TAPE, SILVER WORDING

** PURE COPPER LEADS (BMPT,BMPF,BMPD,XPP).

2) CHARACTERISTICS :

TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J) or $\pm 2.5\%$ (H) or $\pm 1\%$ (F)

DISSIPATION FACTOR($\tan \delta$) : Max 0.001(0.1%) FOR "BMPT" & "BMPF",
 Max. 0.0007(0.07%) FOR "XPP" AT 1KHZ

TEMPERATURE : -40°C TO +85°C (UPON REQUESTED - 40 °C TO +105 °C)

INSULATING RESIS : $C \leq 0.33\mu F$, I.R. ≥ 9000 Mega-Ohm (AT 20 °C, 1min)
 $C > 0.33\mu F$, I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURS

HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) MARKING :

BENNIC
 PMT xx μF xxxV x%

BENNIC
 PMF xx μF xxxV x%

BENNIC
 XPP xxx μF x%
 xxx VAC / xxx VDC

**4) BODY SIZE** (Unit: mm)**XPP Series , BMPT Series (PPMT) BODY SIZE (DxL) (Unit: mm)**TOL. L ± 1 mm , D<10mm ± 1 mm , D10~20mm ± 2 mm , D>20mm ± 2.5 mm

SERIES		BMPTs		BMPT or XPP									
CAPACITANCE		100VDC (Mini size)		100VDC		250VDC		400VDC (6u)		400VDC (8u)		630VDC	
SYMBOL	MFD	D	L	D	L	D	L	D	L	D	L	D	L
103	0.01			5.3	15	5.3	15	5.3	15	5.3	15	5.3	15
333	0.033			4.9	15	4.9	15	4.9	15	4.8	20	6.4	20
473	0.047			5.6	15	5.6	15	5.6	15	5.4	20	7.4	20
683	0.068			6.5	15	5.6	15	6.5	15	6.2	20	8.7	20
104	0.1	4.2	15	5.5	15	6.5	15	7.6	15	7.3	20	8.8	25
224	0.22	5.3	15	7.5	15	9.1	15	7.9	20	10.3	20	12.5	25
334	0.33	6.2	15	6.7	20	8.1	20	9.5	20	10.3	25	12.7	32
474	0.47	7.1	15	7.8	20	7.9	25	9.3	25	12.1	25	14.9	32
684	0.68	8.4	15	9.1	20	9.3	25	11	25	12.1	32	17.8	32
105	1	6.6	25	7.7	32	9.4	32	11	32	14.5	32	21.4	32
155	1.5	7.8	25	9.2	32	11.3	32	13.4	32	17.6	32	21	46
225	2.2	9.2	25	10.9	32	13.6	32	16.1	32	19.6	36	25.2	46
275	2.7	10	25	12	32	14.9	32	16.4	36	21.6	36	27.9	46
335	3.3	11	25	13.2	32	16.4	32	18	36	20.8	46	30.7	46
395	3.9	11.9	25	14.3	32	17.8	32	19.5	36	22.5	46	29.5	56
475	4.7	11	32	15.6	32	19.4	32	21.5	36	24.6	46	32.3	56
565	5.6	11.9	32	15.7	36	19.5	36	20.3	46	26.8	46	35.2	56
685	6.8	13	32	17.3	36	21.4	36	22.3	46	26.1	56	38.7	56
755	7.5	13.6	32	18.1	36	19.5	46	23.4	46	27.3	56	38.6	61
825	8.2	14.2	32	18.9	36	20.3	46	24.4	46	28.5	56	40.3	61
106	10	15.7	32	18	46	22.4	46	26.8	46	31.4	56	42.4	66
126	12	17.1	32	19.7	46	24.4	46	26	56	32.6	61	46.4	66
156	15	19.1	32	21.9	46	24.3	56	28.9	56	36.4	61	39.6	106
186	18	16.8	46	24	46	26.5	56	31.6	56	39.8	61	43.3	106
226	22	18.5	46	23.5	56	29.2	56	34.9	56	43.9	61	47.8	106
276	27	20.6	46	26	56	30.6	61	38.6	56	46.4	66	52.9	106
336	33	20.4	56	28.6	56	33.8	61	40.4	61	45.5	81		
396	39	22.1	56	29.5	61	36.7	61	43.9	61	49.4	81		
476	47	24.1	56	32.3	61	40.2	61	45.9	66	50.7	91		
566	56	26.2	56	35.2	61	43.8	61						
686	68	28.8	56	38.7	61	46	66						
756	75	30.2	56	40.6	61	48.3	66						
826	82	30	61	42.4	61	48.3	71						
107	100	33	61	44.7	66	49.4	81						
127	120	36.1	61	48.9	66	48.9	66						
157	150	40.3	61	42.5	81	42.5	81						
187	180	44	61	46.5	81	46.5	81						

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

**BMPF Series (PPMF) BODY SIZE (LxTxH) (Unit: mm)**TOL. L ± 1 mm , T/H $<10\text{mm} \pm 1$ mm , T/H $10\sim 20\text{mm} \pm 2$ mm , T/H $>20\text{mm} \pm 2.5$ mm

SERIES		BMPFs			BMPF														
CAPACITANCE		100VDC (Mini size)			100VDC			250VDC			400VDC (6u)			400VDC (8u)			630VDC		
SYMBOL	MFD	L	T	H	L	T	H	L	T	H	L	T	H	L	T	H	L	T	H
103	0.01																		
333	0.033																		
473	0.047																20	4.9	8.9
683	0.068																20	6.2	10.1
104	0.1	15	1.6	5.5	15	4	7.9	15	4	7.9	15	5.1	9	20	4.8	8.7	25	5.8	10.5
224	0.22	15	2.7	6.6	15	5	8.9	20	4.3	8.2	20	5.4	9.4	20	7.8	11.7	25	9.5	14.2
334	0.33	15	3.5	7.4	20	4.2	8.1	20	5.6	9.5	20	7	10.9	25	7.8	11.7	32	9.7	14.4
474	0.47	15	4.4	8.3	20	5.3	9.2	25	5.1	9.8	25	6.8	10.7	25	9.6	13.5	32	11.2	17.5
684	0.68	15	5.5	9.5	25	5.2	9.1	25	6.5	11.2	25	8.5	12.4	32	9.2	13.9	32	14	20.3
105	1	20	4.9	8.8	25	6.6	10.5	25	7.5	14	32	8.2	12.9	32	10.8	17.1	32	17.6	23.9
155	1.5	20	6.3	10.2	25	8.4	12.3	32	8.4	13.1	32	9.7	16	32	13.8	20.1	46	15.5	24.9
225	2.2	25	6.3	10.3	32	8.1	12.8	32	9.8	16.1	32	12.3	18.6	36	15.7	22	46	19.6	29.1
275	2.7	25	7.2	11.1	32	9.1	13.8	32	11.2	17.4	36	12.6	18.9	36	17.7	24	46	22.2	31.6
335	3.3	25	8.1	12	32	10.3	15	32	12.6	18.9	36	14.2	20.5	46	15.3	24.7	46	23.5	36
395	3.9	25	9	12.9	32	10.6	16.9	32	14	20.2	36	15.7	22	46	17	26.4	56	22.3	34.9
475	4.7	32	8.1	12	32	11.9	18.2	32	15.6	21.9	36	17.5	23.8	46	19	28.4	56	25	37.6
565	5.6	32	9	12.9	36	12	18.3	32	17.3	23.6	46	14.8	24.2	46	21.2	30.6	56	27.9	40.4
685	6.8	32	10	14	36	13.5	19.8	46	14.8	21	46	16.8	26.2	56	20.5	29.9	56	31.3	43.9
755	7.5	32	10.6	14.6	36	14.3	20.6	46	15.7	21.9	46	17.8	27.2	56	21.7	31.1	61	31.2	43.7
825	8.2	32	10.8	15.5	36	15.1	21.4	46	16.5	22.8	46	18.8	28.2	56	22.9	32.3	61	32.9	45.4
106	10	32	12.1	16.9	46	12.8	22.2	46	18.5	24.8	46	21.2	30.6	56	24.2	36.7	66	35	47.5
126	12	32	12.7	19	46	14.4	23.8	46	19	28.4	56	20.4	29.8	61	25.4	37.9	66	38.9	51.5
156	15	32	14.6	20.8	46	16.5	26	56	18.7	28.1	56	23.3	32.7	61	29.1	41.6	106	32.2	44.7
186	18	46	12.4	18.7	46	18.5	27.9	56	20.9	30.3	56	24.4	36.9	61	32.4	45	106	35.8	48.4
226	22	46	14	20.3	56	18	27.4	56	23.5	33	56	27.6	40.1	61	36.5	49	106	40.3	52.9
276	27	46	15.8	22.1	56	20.4	29.8	61	25	34.4	56	31.2	43.7	66	38.9	51.5	106	45.3	57.9
336	33	56	14.2	23.6	56	23	32.4	61	26.5	39.1	61	33	45.6	81	38	50.6			
396	39	56	15.7	25.2	61	23.8	33.3	61	29.3	41.9	61	36.4	49	81	41.9	54.4			
476	47	56	17.7	27.1	61	25	37.6	61	32.8	45.3	66	38.4	51	91	43.2	55.7			
566	56	56	19.7	29.1	61	27.9	40.4	61	36.4	48.9									
686	68	56	22.1	31.5	61	31.3	43.9	66	38.5	51.1									
756	75	56	23.5	32.9	61	33.2	45.8	66	40.8	53.3									
826	82	66	22	31.4	61	35	47.6	71	40.8	53.4									
107	100	66	24.7	34.1	66	37.2	49.7	81	41.9	54.5									
127	120	66	27.5	36.9	66	41.3	53.9	66	41.3	53.9									
157	150	66	31.3	40.7	81	35	47.6	81	35	47.6									
187	180	66	34.7	44.2	81	39	51.5	81	39	51.5									

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

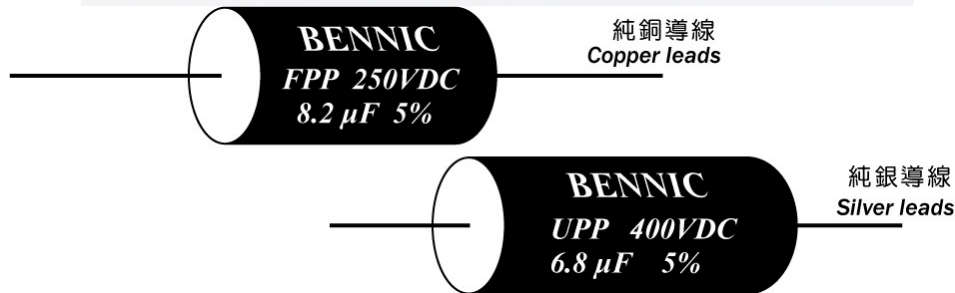


FPP SERIES (Pure Copper leads)

UPP SERIES (Pure Silver leads)

HI-END X-OVER NETWORK USE

1) FIGURE :



BODY SIZE : SEE BELOWING BODY SIZE TABLE.,

FPP Series LEAD LENGTH MIN. 30 mm.

UPP Series FOR OD under 30 ø LEAD LENGTH MIN. 20 mm.

UPP Series FOR OD 30~50 ø LEAD LENGTH MIN. 30 mm.

UPP Series FOR OD exceed 50 ø LEAD LENGTH MIN. 40 mm.

SOLID LEAD DIA : FPP Series- 0.8 ø FOR OD under 19ø.. 1.0 ø FOR OD EXCEED 19ø

UPP Series- 1.0ø

COLOR : BLACK TAPE, WHITE BODY, WHITE WORDING.

(UL FLAME RETARDANT BODY RESIN)

2) CHARACTERISTICS :

CAP. TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J) or $\pm 2.5\%$ (H) or $\pm 1\%$ (F).

DISSIPATION FACTOR : Max 0.0006 (0.06%) AT 1KHZ.

OPERATION TEMP. : - 40 °C TO +105 °C

CAPACITANCE DRIFT : Max. 2% CYCLED THROUGHT THE OPERATING TEMP. RANGE.

INSULATING RESIS : $C \leq 0.33\mu F$, I.R. ≥ 9000 Mega-Ohm (AT 20 °C, 1min)

$C > 0.33\mu F$, I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 105 °C FOR 1,000 HOURS.

HUMIDITY : CAPS Max. 5% D.F. Max 2% I.R. Min 70% UNER R.H. 95% @40 °C 1,000 HOURS.

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE ..

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE.

3) MARKING :

BENNIC

FPP xxx μF x%

xxxVAC / xxxVDC

BENNIC

UPP xxx μF x%

xxxVAC / xxxVDC

**4) BODY SIZE** (Unit: mm)**FPP SERIES UPP SERIES BODY SIZE (DxL)** (Unit: mm).TOL. L ± 1 mm, D<10mm ± 1 mm, D10~20mm ± 2 mm, D>20mm ± 2.5 mm

	W V	100VDC		250VDC		400VDC		630VDC	
SYMBOL	MDF	D	L	D	L	D	L	D	L
104	0.1	6.5	15	6.5	15	5.8	20	10.4	20
154	0.15	6.4	15	7.7	15	6.8	20	12.5	20
224	0.22	5.7	20	6.8	20	7.9	20	15	20
334	0.33	6.7	20	8.1	20	9.5	20	15	25
474	0.47	7.8	20	9.5	20	11.2	20	17.8	25
684	0.68	9.1	20	11.2	20	11	25	17.7	32
824	0.82	9.9	20	12.2	20	12	25	19.4	32
105	1	9.1	25	11.1	25	11	32	21.3	32
125	1.2	9.9	25	12.1	25	12	32	23.3	32
135	1.3	10.2	25	12.6	25	12.5	32	22.4	36
155	1.5	10.9	25	13.4	25	13.3	32	24	36
185	1.8	11.9	25	14.6	25	14.5	32	26.2	36
205	2	12.5	25	12.9	32	15.3	32	23.6	46
225	2.2	13	25	13.5	32	16	32	24.7	46
255	2.5	13.9	25	14.4	32	17.1	32	26.3	46
275	2.7	14.5	25	14.9	32	17.7	32	27.4	46
305	3	15.2	25	15.7	32	18.6	32	28.8	46
335	3.3	13.3	32	16.4	32	19.5	32	30.2	46
395	3.9	14.4	32	17.8	32	19.5	36	32.8	46
405	4	14.5	32	18	32	19.8	36	33.2	46
435	4.3	15.1	32	18.6	32	20.5	36	34.4	46
475	4.7	15.7	32	19.4	32	21.4	36	35.9	46
505	5	16.2	32	20	32	22	36	37	46
565	5.6	17.4	32	19.9	36	23.7	36	35.1	56
605	6	18	32	20.5	36	24.5	36	36.3	56
635	6.3	18.4	32	21	36	25.1	36	37.2	56
685	6.8	19.1	32	21.8	36	22.1	46	38.6	56
685	6.8	19.1	32	21.8	36	22.1	46	38.6	56
755	7.5	20	32	19.5	46	23.2	46	38.5	61
805	8	20.7	32	20.1	46	24	46	39.7	61
825	8.2	20.9	32	20.3	46	24.2	46	40.2	61
106	10	21.2	36	22.4	46	26.7	46	42.3	66
126	12	23.1	36	24.4	46	29.2	46	46.3	66
146	14	24.9	36	26.3	46	31.5	46		
156	15	22.1	46	27.4	46	28.9	56		
186	18	24.1	46	29.9	46	31.6	56		
206	20	25.4	46	27.9	56	33.3	56		
226	22	26.5	46	29.2	56	34.9	56		
256	25	28.2	46	31.1	56	37.1	56		
276	27	29.3	46	32.3	56	38.6	56		
336	33	28.6	56	35.6	56	38.6	66		
356	35	29.5	56	36.6	56	39.7	66		
396	39	31	56	38.6	56	41.9	66		
476	47	34	56	42.3	56	45.9	66		
566	56	37	56	46.1	56	44.4	81		
686	68	40.7	56	46	66	48.9	81		
756	75	42.8	56	48.3	66				
826	82	44.7	56	48.3	71				
107	100	44.7	66	49.4	81				
187	180	46.5	81	47	81				

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

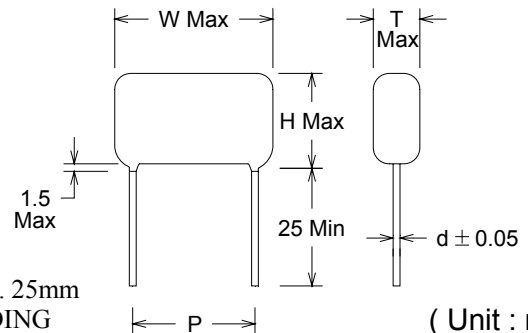
** SIZE MAYBE CHANGED W/O NOTICE



METALLIZED POLYPROPYLENE FILM CAPACITORS

BMPD SERIES (PPMD) (RADIAL DIPPED)

1) FIGURE :



BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 25mm

COLOR : BLUE or BROWN EPOXY DIPPED, BLACK WORDING

LEAD DIA. & PITCH: (Unit: m/m)

BODY LENGTH	13.0	18.0	26.0	31.0
LEAD PITCH ± 1.5	10.0	15.0	22.5	27.5
LEAD DIA. ± 0.05	0.6	0.8	0.8	0.8

(Unit : mm)

** PURE COPPER LEADS (BMPT,BMPF,BMPD,XPP).

2) CHARACTERISTICS :

TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J) or $\pm 2.5\%$ (H) or $\pm 1\%$ (F)

DISSIPATION FACTOR($\tan \delta$) : Max 0.001(0.1%) AT 1KHZ

TEMPERATURE : -40°C TO $+85^{\circ}\text{C}$ (UPON REQUESTED - 40°C TO $+105^{\circ}\text{C}$)

INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 9000 Mega-Ohm (AT 20°C , 1min)
 $C > 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20°C , 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURS

HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) MARKING :

BENNIC

PMD xx μF xxxV x%

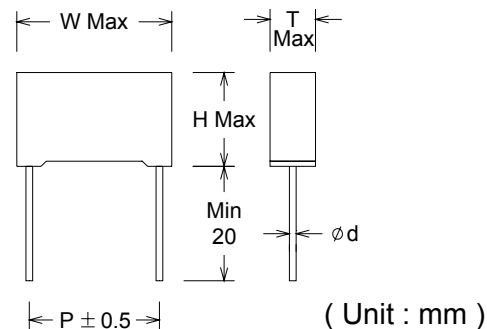
4) BODY SIZE (WxHxT) (Unit: m/m)

TOL. W/ T/ H ± 1 mm , W/ T/ H 10~20mm ± 2 mm , W/ T/ H >20 mm ± 2.5 mm

CAPACITANCE		100VDC			250VDC			400VDC			630VDC		
SYMBOL	MFD	W	H	T	W	H	T	W	H	T	W	H	T
103	0.01	13	6	10	13	6	10	13	6	10	18	7	11
153	0.015	13	6	10	13	6	10	13	6	10	18	7	11
223	0.022	13	7	10	13	7	10	13	7	10	18	7	11
333	0.033	13	7	10	13	7	10	18	7	12	18	8	12.5
473	0.047	13	7	10	13	7	10	18	7.5	13	18	9	14.5
683	0.068	18	7	12	18	7	12.5	18	7.5	13	26	9	14.5
104	0.1	18	7	12	18	7	12.5	18	8	13.5	26	10	14.5
154	0.15	18	7	12	18	7.5	12.5	26	8	14.5	26	11.5	17.5
224	0.22	18	7	12	18	9	14.5	26	9	14.5	31	11.5	20
334	0.33	18	7	14	26	9	15.5	26	11	19	31	13.5	22
474	0.47	18	8	14	26	10	15.5	31	11	20	31	15.5	25
684	0.68	18	10	15.5	26	11.5	17.5	31	11.5	20	31	18.5	29
105	1.0	26	10	16	31	11.5	20	31	15.5	25			
155	1.5	26	12	17.5	31	13.5	22.5						
225	2.2	31	12	20	31	16.5	26						
335	3.3	31	12	23									

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

METALLIZED POLYPROPYLENE FILM CAPACITORS**BMPEX1 SERIES (PMX1) (X1 RADIAL ENCASE)****1) FIGURE :**

BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 20mm

COLOR : GREEN BODY, WHITE WORDING

LEAD DIA. & PITCH: (Unit: m/m)

LEAD PITCH ± 1.5	10.0	15.0	22.3	27.5	32.5	47.5
LEAD DIA. ± 0.05	0.6	0.8	0.8	0.8	0.8	0.8

2) CHARACTERISTICS :

RATED VOLTAGE : 300VAC

TOLERANCE : $\pm 20\%$ (M) or $\pm 10\%$ (K) or $\pm 5\%$ (J)DISSIPATION FACTOR($\tan \delta$) : Max 0.001(0.1%) AT 1KHZTEMPERATURE : -40°C TO $+100^{\circ}\text{C}$ INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 9000 Mega-Ohm (AT 20°C , 1min) $C > 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20°C , 1min)LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURSHUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS

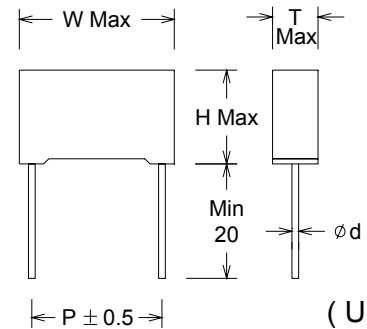
LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE**3) BMPEX1 SERIES (PMX1) BODY SIZE (WxHxT) (Unit: m/m) TOL. ± 1 mm**

CAPACITANCE		300VAC				CAPACITANCE		300VAC			
SYMBOL	MFD	W	H	T	P	SYMBOL	MFD	W	H	T	P
472	0.0047	13	11	5	10	224	0.22	26.5	16.5	7	15
562	0.0056	13	11	5	10	274	0.27	26.5	16.5	7	22.5
682	0.0068	13	11	5	10	334	0.33	26.5	16.5	7	22.5
822	0.0082	13	11	5	10	394	0.39	26.5	17	8.5	22.5
103	0.010	18	10	5	15	474	0.47	26.5	17	8.5	22.5
123	0.012	18	10	5	15	564	0.56	26.5	19	10	22.5
153	0.015	18	10	5	15	604	0.60	31.5	20	11	27.5
183	0.018	18	10	5	15	684	0.68	31.5	20	11	27.5
223	0.022	18	10	5	15	824	0.82	31.5	20	11	27.5
273	0.027	18	10	5	15	105	1.0	31.5	21.5	13	27.5
333	0.033	18	10	5	15	105	1.0	37	24	13.5	32.5
473	0.047	18	10	5	15	125	1.2	37	24	13.5	32.5
563	0.056	18	10	5	15	155	1.5	37	24	13.5	32.5
683	0.068	18	10	5	15	185	1.8	37	26.5	16	32.5
823	0.082	18	10	5	15	225	2.2	37	26.5	16	32.5
104	0.10	18	11	6	15	275	2.7	37	28.5	18	32.5
124	0.12	18	12	6	15	335	3.3	37	31	20	32.5
154	0.15	18	13.5	7.5	15	395	3.9	37	34	22	32.5
224	0.22	18	15.5	8.5	15	475	4.7	51	30.5	20	47.5

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

METALLIZED POLYPROPYLENE FILM CAPACITORS**BMPEX2 SERIES (PMX2) (X2 RADIAL ENCASE)****1) FIGURE :**

BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 20mm

COLOR : YELLOW BODY, BLACK WORDING

LEAD DIA. & PITCH: (Unit: m/m)

LEAD PITCH ± 1.5	10.0	15.0	22.5	27.5	31.5
LEAD DIA. ± 0.05	0.6	0.8	0.8	0.8	0.8

(Unit : mm)

2) CHARACTERISTICS :

RATED VOLTAGE : 275VAC

TOLERANCE : $\pm 20\%$ (M) or $\pm 10\%$ (K) or $\pm 5\%$ (J)DISSIPATION FACTOR($\tan \delta$) : Max 0.001(0.1%) AT 1KHZ

TEMPERATURE : -40°C TO +85°C (UPON REQUESTED - 40 °C TO +105 °C)

INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 9000 Mega-Ohm (AT 20 °C, 1min) $C > 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURS

HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

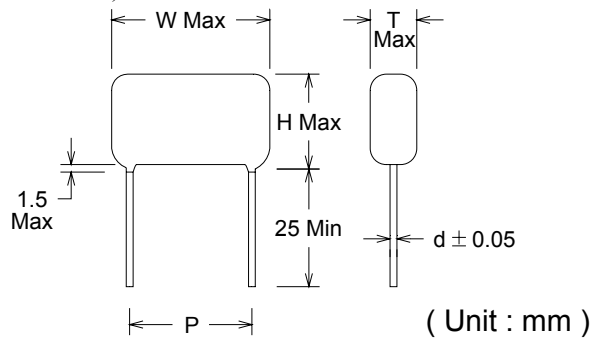
LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) BMPEX2 SERIES (PMX2) BODY SIZE (WxHxT) (Unit: m/m) TOL. ± 1 mm

CAPACITANCE		275VAC				CAPACITANCE		275VAC			
SYMBOL	MFD	W	H	T	P	SYMBOL	MPD	W	H	T	P
102	0.001	13	9	4	10	823	0.082	18	13	7.5	15
122	0.0012	13	9	4	10	104	0.1	18	13	7.5	15
152	0.0015	13	9	4	10	124	0.12	18	14	8.5	15
182	0.0018	13	9	4	10	154	0.15	18	14.5	8.5	15
222	0.0022	13	9	4	10	154	0.15	26.5	16.5	7	22.5
272	0.0027	13	9	4	10	184	0.18	26.5	17	8.5	22.5
332	0.0033	13	9	4	10	224	0.22	26.5	17	8.5	22.5
392	0.0039	13	9	4	10	274	0.27	26.5	19	10	22.5
472	0.0047	13	11	5	10	334	0.33	26.5	19	10	22.5
562	0.0056	13	11	5	10	394	0.39	26.5	19	10	22.5
682	0.0068	13	11	5	10	474	0.47	26.5	19	10	22.5
822	0.0082	13	11	5	10	474	0.47	32	20	11	27.5
103	0.01	13	11	5	10	564	0.56	32	20	11	27.5
123	0.012	13	11	5	10	604	0.60	32	20	11	27.5
153	0.015	13	11	5	10	684	0.68	32	22	13	27.5
183	0.018	13	12	6	10	824	0.82	32	22	13	27.5
223	0.022	13	12	6	10	105	1.0	32	25	14	27.5
273	0.027	13	12	6	10	105	1.0	37	24	13.5	31.5
333	0.033	18	11	5	15	125	1.2	37	24	13.5	31.5
393	0.039	18	11	5	15	155	1.5	37	26.5	16	31.5
473	0.047	18	11	5	15	185	1.8	37	28.5	18	31.5
563	0.056	18	12	6	15	225	2.2	37	28.5	18	31.5
683	0.068	18	12	6	15						

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

METALLIZED POLYPROPYLENE & METAL-FOIL FILM CAPACITORS**BMPDS SERIES (PMSD) (RADIAL DIPPED)****1) FIGURE :**

BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 25mm

COLOR : BROWN BODY, SILVER WORDING

LEAD DIA. & PITCH: (Unit: m/m)

BODY LENGTH	19.0	26.0	35.0
LEAD PITCH ± 1.5	15.0	22.5	30.5
LEAD DIA. ± 0.05	0.8	0.8	0.8

2) CHARACTERISTICS :TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J) or $\pm 2.5\%$ (H)DISSIPATION FACTOR($\tan \delta$) : Max 0.001(0.1%) AT 1KHZ

TEMPERATURE : -40°C TO +85°C (UPON REQUESTED - 40 °C TO +105 °C)

INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 9000 Mega-Ohm (AT 20 °C, 1min) $C > 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURS

HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) MARKING : BENNICPSD xx μF xxxV x%**4) BMPDS SERIES (PMSD) BODY SIZE (WxHxT) (Unit: m/m)**TOL. W/ T/ H ± 1 mm , W/ T/ H 10~20mm ± 2 mm , W/ T/ H >20mm ± 2.5 mm

CAPACITANCE		1000VDC			1500/1600VDC			2000VDC		
SYMBOL	MFD	W	H	T	W	H	T	W	H	T
102	0.001	19	14	8	26	13	8	26	14.5	9
152	0.0015	19	14.5	8.5	26	14.5	9	26	16	10
222	0.0022	19	15	9	26	16	10	26	19	11
332	0.0033	19	16	9.5	26	18	11	26	22	12.5
472	0.0047	19	17	10	26	20	13	35	23	12.5
682	0.0068	19	19	12	26	22	14	35	25	15
103	0.01	26	20	13	35	23	12	35	27	17
153	0.015	26	21	14	35	26	16	35	31	20
223	0.022	26	22	15	35	30	20	35	34	24
333	0.033	26	24	16	35	32	22			
473	0.047	35	26	19	35	34	24			
683	0.068	35	29	21						
104	0.10	35	32	21						
154	0.15	35	34	23						

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

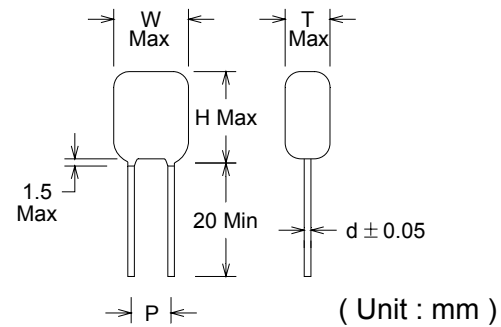
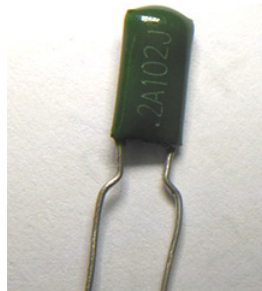
** SIZE MAYBE CHANGED W/O NOTICE



POLYESTER INDUCTIVE FILM CAPACITORS

BPEDI SERIES (PEID) (RADIAL DIPPED)

1) FIGURE :



BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 20mm

COLOR : GREEN EPOXY DIPPED, WHITE WORDING

LEAD DIA. & PITCH: (Unit: m/m)

LEAD PITCH ± 1.5	2.5~8.0	8.5~12.5	14.0
LEAD DIA. ± 0.05	0.5	0.6	0.8

2) CHARACTERISTICS :

TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J)

DISSIPATION FACTOR($\tan \delta$) : Max 0.01 (1.0%) AT 1KHZ

TEMPERATURE : -40°C TO $+85^{\circ}\text{C}$ (UPON REQUESTED - 40°C TO $+105^{\circ}\text{C}$)

INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 9000 Mega-Ohm (AT 20°C , 1min)

$C > 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20°C , 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURS

HUMIDITY : Max. 5% D.R Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

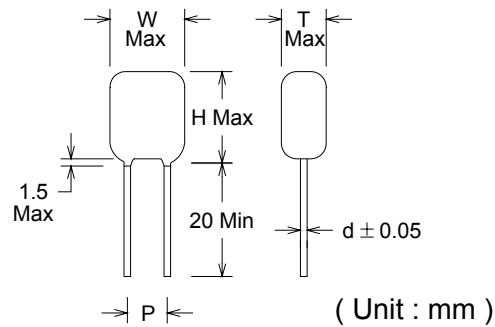
3) BPEDI SERIES (PEID) BODY SIZE (WxHxT) (Unit: m/m)

TOL. W/ T/ H ± 1 mm , W/ T/ H 10~20mm ± 2 mm , W/ T/ H > 20 mm ± 2.5 mm

CAPACITANCE		50/100VDC				160VDC				250VDC				400VDC			
SYMBOL	MFD	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
102	0.001	6	10.5	3.5	2.5	6	11.5	3.5	3.5	6	11	3.5	3	7	12.5	4.5	3.5
152	0.0015	6	10.5	3.5	2.5	6	11.5	3.5	3.5	6	11	3.5	3	7.5	12.5	5	4
222	0.0022	6	10.5	3.5	2.5	6	11.5	3.5	3.5	7	11	4.5	3.5	7.5	12.5	6	4
332	0.0033	6	10.5	3.5	3	6	11.5	3.5	3.5	7	11	4.5	3.5	8	12.5	6	4
472	0.0047	6.5	10.5	3.5	3	6.5	11.5	4	3.5	9	11	5.5	5	9	14	6.5	5
682	0.0068	6.5	10.5	3.5	3	6.5	11.5	4	3.5	9	11	5.5	5	10.5	16	6.5	7.5
103	0.01	6.5	10.5	4	3	6.5	11.5	4	3.5	9	11	5.5	5	10.5	16	6.5	7.5
153	0.015	6.5	10.5	4	3.5	7	11.5	4.5	4.5	10	16	7.5	5	11.5	16	8	7.5
223	0.022	7	12	4	3.5	8.5	12	5	5	13.5	20	9.5	7.5	13	17	8.5	9
333	0.033	8	12	4.5	3.5	9.5	12	6	5.5	13.5	20	9.5	7.5	14.5	17	10	9
473	0.047	9.5	12.5	5	5	11	14	6	7	14	20	10	7.5	15.5	20	10	10
683	0.068	10.5	12.5	6	5	13	14	8	7.5	17	20.5	11	10	19.5	23	11	14
104	0.1	11	13	6.5	6.5	14	19	9	9	17	20.5	11	10	20.5	29	12	14
154	0.15	13.5	13	8	7.5												
224	0.22	15.7	15	8.5	10												
334	0.33	16.5	19	9.5	10												
474	0.47	19.5	19	10.5	12.5												

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

POLYESTER INDUCTIVE MINI FILM CAPACITORS**BPEDIs SERIES (PEIM) (MINI SIZE RADIAL DIPPED)****1) FIGURE :**

BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 20mm

COLOR : GREEN EPOXY DIPPED, WHITE WORDING

2) CHARACTERISTICS :TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J)DISSIPATION FACTOR($\tan \delta$) : Max 0.01 (1.0%) AT 1KHZ

TEMPERATURE : -40°C TO +85°C (UPON REQUESTED - 40 °C TO +105 °C)

INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 9000 Mega-Ohm (AT 20 °C, 1min)
 $C > 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85 °C FOR 1,000 HOURS

HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95%@40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

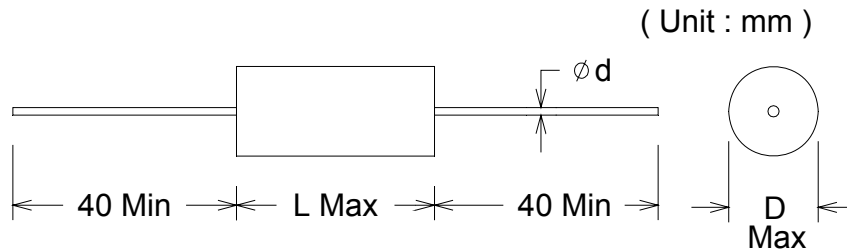
LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) BPEDIs SERIES (PEIM) BODY SIZE (WxHxT) (Unit: m/m)TOL. W/ T/ H ± 1 mm , W/ T/ H 10~20mm ± 2 mm , W/ T/ H >20mm ± 2.5 mm

CAPACITANCE		50VDC/100VDC				
SYMBOL	MFD	W	H	T	P	d Ø
102	0.001	5.5	7.5	3.0	3.5	0.5
122	0.0012	5.5	7.5	3.0	3.5	0.5
152	0.0015	5.5	7.5	3.0	3.5	0.5
182	0.0018	5.5	7.5	3.0	3.5	0.5
222	0.0022	5.5	7.5	3.0	3.5	0.5
272	0.0027	5.5	7.5	3.0	3.5	0.5
332	0.0033	5.5	7.5	3.0	3.5	0.5
392	0.0039	5.5	7.5	3.0	3.5	0.5
472	0.0047	5.5	7.5	3.0	3.5	0.5
562	0.0056	5.5	7.5	3.0	3.5	0.5
682	0.0068	5.5	7.5	3.0	3.5	0.5
822	0.0082	5.5	7.5	3.0	3.5	0.5
103	0.01	6.0	9.5	3.0	3.5	0.5
123	0.012	6.0	9.5	3.0	3.5	0.5
153	0.015	6.0	9.5	3.0	3.5	0.5
183	0.018	6.5	9.5	3.5	3.5	0.5
223	0.022	6.5	9.5	3.5	3.5	0.5
273	0.027	6.5	9.5	4.0	3.5	0.5
333	0.033	6.5	9.5	4.0	3.5	0.5
393	0.039	7.5	9.5	4.5	5.0	0.5
473	0.047	7.5	9.5	4.5	5.0	0.5
563	0.056	8.0	11.0	4.5	5.0	0.5
683	0.068	8.0	11.0	4.5	5.0	0.5
823	0.082	9.0	11.0	5.5	5.0	0.5
104	0.1	9.0	11.0	5.5	5.0	0.5

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

POLYPROPYLENE NON-INDUCTIVE FILM CAPACITORS**BPPTN SERIES (PPNT) (AXIAL TUBULAR)****1) FIGURE :**

BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 40mm

LEAD DIA. : DIA. 0.6mm FOR LENGTH UNDER 21mm, 0.8 or 1.0mm FOR EXCEED 21mm

COLOR : YELLOW EPOXY & TAPE, BLACK WORDING

2) CHARACTERISTICS :

TOLERANCE : $\pm 20\%$ (M) or $\pm 10\%$ (K) or $\pm 5\%$ (J)

DISSIPATION FACTOR($\tan \delta$) : Max 0.001 (0.1%) AT 1KHZ

TEMPERATURE : -40°C TO +85°C (UPON REQUESTED - 40 °C TO +105 °C)

INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 9000 Mega-Ohm (AT 20 °C, 1min)

$C > 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20 °C, 1min)

LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURS

HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) MARKING : BENNIC

PNT xx μF xxxV x%

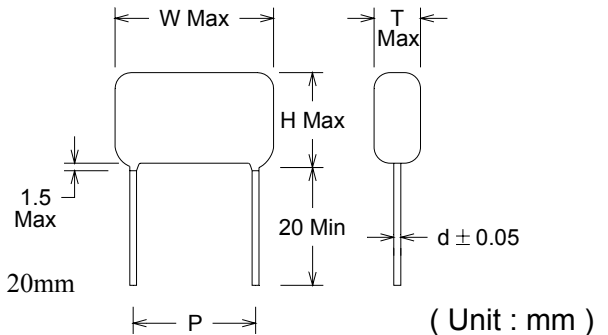
4) BPPTN SERIES (PPNT) BODY SIZE (DxL) (Unit: m/m)

TOL. L ± 1 mm , D < 10mm ± 1 mm , D 10~20mm ± 2 mm , D > 20mm ± 2.5 mm

CAPACITANCE		50/100VDC		160/250VDC		400VDC		630VDC	
SYMBOL	MPD	D	L	D	L	D	L	D	L
102	0.001	5.5	11.0	5.5	11.0	5.5	11.0	5.5	11.0
152	0.0015	5.5	11.0	5.5	11.0	5.5	11.0	6.5	11.0
222	0.0022	5.5	11.0	5.5	11.0	5.5	11.0	6.0	14.0
332	0.0033	5.5	11.0	5.5	11.0	6.5	11.0	6.5	14.0
472	0.0047	5.5	11.0	6.0	11.0	6.5	14.0	7.5	14.0
682	0.0068	5.5	11.0	6.0	14.0	7.5	14.0	8.0	16.0
103	0.01	5.5	11.0	7.0	14.0	8.0	16.0	10.0	16.0
153	0.015	6.5	11.0	7.5	16.0	9.0	16.0	9.0	21.0
223	0.022	7.0	14.0	8.5	16.0	10.5	16.0	10.5	21.0
333	0.033	8.0	14.0	10.0	16.0	10.0	21.0	12.5	21.0
473	0.047	9.0	16.0	9.5	21.0	11.5	21.0	12.5	26.5
683	0.068	10.5	16.0	11.0	21.0	11.5	26.5	14.5	26.5
104	0.1	10.0	21.0	11.5	26.5	14.0	26.5	15.5	31.5
154	0.15	11.5	21.0	13.5	26.5	16.5	26.5	17.5	31.5
224	0.22	12.5	26.5	15.5	26.5	17.5	31.5		
334	0.33	14.5	26.5	16.5	31.5	20.0	31.5		
474	0.47	15.5	31.5	19.0	31.5				

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

POLYPROPYLENE NON-INDUCTIVE FILM CAPACITORS**BPPDN SERIES (PPND) (RADIAL DIPPED)****1) FIGURE :**

BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 20mm

COLOR : BROWN EPOXY DIPPED, WHITE WORDING

LEAD DIA. & PITCH: (Unit: m/m)

BODY LENGTH	9 ~ 10	12	12.5	18	26
LEAD PITCH ± 1.5	7.5	10	10	15	22.5
LEAD DIA. ± 0.05	0.6	0.8	0.8	0.8	0.8

2) CHARACTERISTICS :TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J)DISSIPATION FACTOR($\tan \delta$) : Max 0.001(0.1%) AT 1KHZTEMPERATURE : -40°C TO $+85^{\circ}\text{C}$ (UPON REQUESTED - 40°C TO $+105^{\circ}\text{C}$)INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 9000 Mega-Ohm (AT 20°C , 1min)
 $C > 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20°C , 1min)LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURSHUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95%@ 40°C 1,000 HOURS

LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .

LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE**3) MARKING :**

BENNIC

PND xxx μF xxxV x%**4) BPPDN SERIES (PPND) BODY SIZE (WxHxT) (Unit: m/m)**TOL. W/ T/ H ± 1 mm , W/ T/ H 10~20mm ± 2 mm , W/ T/ H >20mm ± 2.5 mm

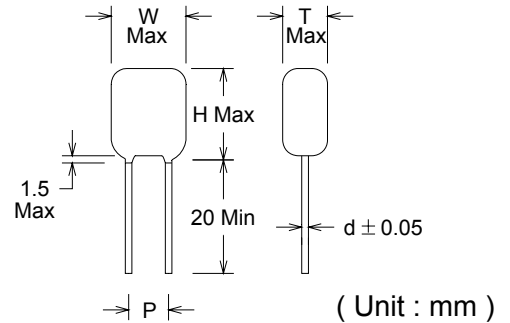
CAPACITANCE		63VDC			100VDC			160VDC			250VDC			400VDC			630VDC			1000VDC		
SYMBOL	MFD	W	H	T	W	H	T	W	H	T	W	H	T	W	H	T	W	H	T	W	H	T
102	0.001																12.5	9	4	18	11	5
152	0.0015													10	9	4	12.5	9	4	18	11	5
222	0.0022													10	9	4	12.5	9	4	18	11	5
332	0.0033										9.5	7	3	10	9	4	12.5	9	4	18	11	5
472	0.0047										9.5	7	3	10	9	4	12.5	9	4	18	12.5	6
562	0.0056				9.5	7	3				9.5	7	3	10	9	4	12.5	9	4	18	12.5	6
682	0.0068				9.5	7	3				9.5	7	3	10	9	4	12.5	10	5	18	12.5	6
103	0.01				9.5	7	3	9.5	7	3	10	9	4	10	9	4	12.5	12	6	18	15.5	8.5
153	0.015				10	9	4	10	9	4	10	9	4	12.5	9	4	12.5	12	6	18	15.5	8.5
223	0.022				10	9	4	10	9	4	12.5	9	4	12.5	10	5	18	12.5	6	26	18.5	8.5
333	0.033				12.5	9	4	12.5	9	4	12.5	10	5	12.5	12	6	18	15.5	8.5	26	18.5	8.5
473	0.047	10	9	4	12.5	10	5	12.5	10	5	12.5	12	6	18	11	5	18	15.5	8.5			
563	0.056	12.5	9	4	12.5	10	5	12.5	10	5	12.5	12	6	18	12.5	6	18	15.5	8.5			
683	0.068	12.5	10	5	12.5	12	6	12.5	12	6	12.5	12	6	18	15.5	8.5	26	18.5	8.5			
104	0.1	12.5	12	6	18	12.5	6	18	11	5	18	12.5	6	18	15.5	8.5	26	18.5	8.5			
154	0.15	18	11	5	18	15.5	8.5	18	15.5	6	18	15.5	8.5	26	18.5	8.5						
224	0.22	18	12.5	6	18	15.5	8.5	18	15.5	8.5	18	15.5	8.5	26	18.5	8.5						
334	0.33	18	15.5	8.5							26	18.5	18									
474	0.47										26	18.5	18									

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE

POLYPROPYLENE INDUCTIVE FILM CAPACITORS**BPPDI SERIES (PPID) (RADIAL DIPPED)****1) FIGURE :**

BODY SIZE : SEE BELOWING TABLE, LEAD LENGTH Min. 20mm
 COLOR : BROWN EPOXY DIPPED, WHITE WORDING

**2) CHARACTERISTICS :**

TOLERANCE : $\pm 10\%$ (K) or $\pm 5\%$ (J)
 DISSIPATION FACTOR($\tan \delta$) : Max 0.002 (0.2%) AT 1KHZ
 TEMPERATURE : -40°C TO $+85^{\circ}\text{C}$ (UPON REQUESTED - 40°C TO $+105^{\circ}\text{C}$)
 INSULATING RESIS : $C \leq 0.33\mu\text{F}$, I.R. ≥ 9000 Mega-Ohm (AT 20°C , 1min)
 $C > 0.33\mu\text{F}$, I.R. ≥ 7500 Mega-Ohm (AT 20°C , 1min)
 LIFE TEST : 150% OF RATED WORKING VOLTAGE AT 85°C FOR 1,000 HOURS
 HUMIDITY : Max. 5% D.F. Max 2% I.R. Min. 7,000 Mega-ohm UNDER R.H. 95% @ 40°C 1,000 HOURS
 LEAD PULL FORCE : Min. 1.5KGS AT 30 MINUTES , ROOM TEMPERATURE .
 LEAD BEND FORCE : NOT BREAK AT 90° FOR 1 CYCLE

3) BPPDI SERIES (PPID) BODY SIZE (WxHxT) (Unit: m/m)

TOL. W/ T/ H ± 1 mm , W/ T/ H 10~20mm ± 2 mm , W/ T/ H >20 mm ± 2.5 mm

CAPACITANCE		50VDC/100VDC				
SYMBOL	MFD	W	H	T	P	d Ø
331	300 pf	7	10	4.5	4.0	0.5
391	390 pf	7	10	4.5	4.0	0.5
471	470 pf	7	10	4.5	4.0	0.5
561	560 pf	7	10	4.5	4.0	0.5
681	680 pf	7	10	4.5	4.0	0.5
821	820 pf	7	10	4.5	4.0	0.5
102	0.001	7	10	4.5	4.0	0.5
122	0.0012	7	10	4.5	4.0	0.5
152	0.0015	7	10	4.5	4.0	0.5
182	0.0018	7	10.5	5	4.0	0.5
222	0.0022	7	10.5	5	4.0	0.5
272	0.0027	7	10.5	5.5	4.0	0.5
332	0.0033	7	10.5	5.5	4.0	0.5
392	0.0039	7	10.5	5.5	4.0	0.5
472	0.0047	7	10.5	5.5	4.0	0.5
562	0.0056	7	10.5	5.5	4.0	0.5
682	0.0068	7	10.5	5.5	4.0	0.5
822	0.0082	8	12	6	5	0.5
103	0.01	8	12	5.5	5.5	0.5
123	0.012	8	12	5.5	5.5	0.5
153	0.015	8	12	5.5	5.5	0.5
183	0.018	8	12.5	5.5	5.5	0.5
223	0.022	9.5	12.5	6.0	6.0	0.5
273	0.027	9.5	12.5	6.0	6.0	0.5
333	0.033	10.5	13.5	7.0	6.0	0.5
393	0.039	10.5	13.5	7.0	6.0	0.5
473	0.047	11.5	13.5	7.0	6.5	0.5
563	0.056	11.5	13.5	7.0	6.5	0.5
683	0.068	13.0	13.5	8.5	7.5	0.5
823	0.082	13.0	13.5	8.5	7.5	0.5
104	0.1	13.5	13.5	9.5	8.0	0.5

** ANY SPECIAL VALUE AND SIZE ARE ACCEPTABLE UPON DISCUSSION

** SIZE MAYBE CHANGED W/O NOTICE