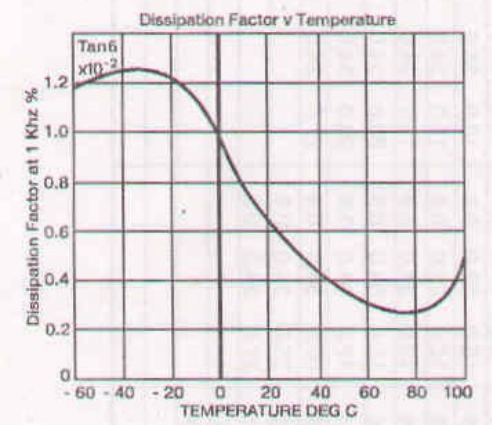
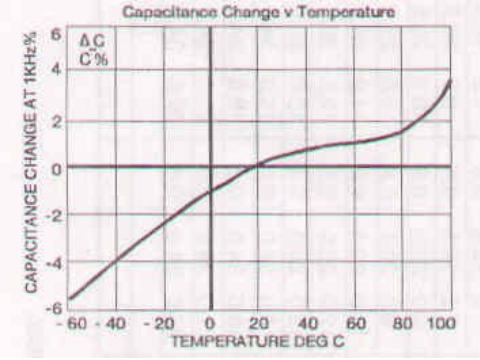
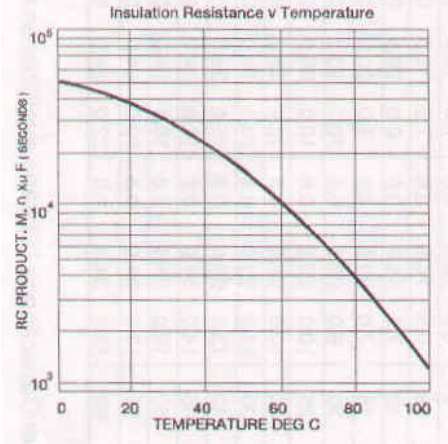
ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.
Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS
Registered Office & Factory :
3A-3A/1, Belavadi Indl.Area, Mysore - 570 018. INDIA

Phone : +91 821 2402307, 2402301
E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com
Website : www.advance-capacitors.com
An ISO 9001 & ISO 13485 Company
GSTIN : 29AABCA1720D1ZA

Metallised Polyester Capacitors







GENERAL :

- Non-Polar
- Non-Inductive
- Self –Healing
- Epoxy Resin Sealed
- Humidity, Shock, Vibration Proof
- Tin-Electroplated Lead
- **Higher Capacitance/ Voltage on request**

APPLICATIONS:

- Instrumentation
- Communications
- R-C Circuits
- Input to High Impedance Circuits
- Replacement for Paper Capacitors
- Meter Damping
- Filter, Bypass
- Computers, Switching

STYLES :

- Type- MWF - Cylindrical, Tape Wrap, Epoxy End Fill, Axial Lead
- Type – MF - Rectangular, Plastic Case, Epoxy Fill, Radial Lead
- Type- MMWF -Miniature Cylindrical, Tape Wrap, Epoxy End Fill, Axial Lead
- Type –MMF – Miniature Rectangular, Plastic Case, Epoxy Fill, Radial Lead
- Type – MWOF - Oval Shape, Tape Wrap, Axial Lead
- Type- MMMF – Miniature Rectangular, Radial lead, 5mm pitch

STANDARDS:

JSS 50204 MIL-C-27287 BS 2011 IEC 384-2 IS 9256

SPECIFICATIONS:

All measurements are made at 20°C
Capacitance and Tan Delta are measured at 1kHz.

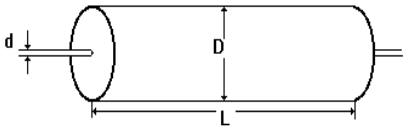
Temperature Range	:-55°C + 125°C
Power Factor (Tan delta)	: <= 0.008 (Typical 0.006)
Insulation Resistance	: Capacitance <=0.33µF > 30000 MΩ*µF
	Capacitance > 0.33µF > 10000 MΩ*µF second
Test Voltage	: 1.6 x rated dc voltage
Climatic Category	: 55/125/56
Voltage derating	: 1.5% per °C for use above 85 °C
Soldering	: 5 Seconds at 250 °C
Tolerance	: ±20%, ±10%, ±5%

Closer Tolerance available on request

Metallised Polyphenylene Sulphide or Metallised Polypropylene is recommended for Closer Tolerance

METALLISED POLYESTER CAPACITORS - JSS 50204 CPM 07

Type MWF : Cylindrical Wrap / Epoxy Fill, Axial Lead
These capacitors are cylindrical and are provided with yellow thermosetting tape outer wrap.
The ends are sealed with epoxy resin. These capacitors conform to JSS 50204 CPM 07



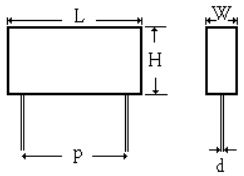
Dimensions (Max) in mm

Voltage	WD / 63 VDC			WH / 100 VDC			WR / 160 VDC			WG / 250 VDC			WW/ 400 VDC			WK / 630 VDC			WX / 1000 VDC		
Value	D	L	d	D	L	d	D	L	d	D	L	d	D	L	d	D	L	d	D	L	d
0.0100	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	9.0	20.5	0.8
0.0150	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	10.0	20.5	0.8
0.0220	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	7.5	16.5	0.6	10.0	20.5	0.8
0.0330	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	8.0	20.5	0.6	12.0	20.5	0.8
0.0470	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	7.5	16.5	0.6	8.0	20.5	0.6	12.0	20.5	0.8
0.0680	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	7.5	20.5	0.6	12.0	20.5	0.8	12.0	29.0	0.8
0.1000	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	8.0	20.5	0.6	9.5	20.5	0.8	13.0	29.0	0.8
0.1500	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	7.5	16.5	0.6	9.0	20.5	0.8	10.0	29.0	0.8	16.0	34.0	0.8
0.2200	6.5	16.5	0.6	7.5	16.5	0.6	7.5	16.5	0.6	7.5	16.5	0.6	9.0	29.0	0.8	12.0	29.0	0.8	18.0	34.0	0.8
0.3300	6.5	16.5	0.6	7.5	16.5	0.6	7.5	16.5	0.6	9.0	20.5	0.8	10.0	29.0	0.8	13.0	34.0	0.8	19.0	34.0	0.8
0.4700	7.5	16.5	0.6	8.0	20.5	0.6	8.0	20.5	0.6	10.0	20.5	0.8	12.0	29.0	0.8	15.0	34.0	0.8	20.0	34.0	0.8
0.6800	7.0	20.5	0.6	9.0	20.5	0.8	9.0	20.5	0.8	9.0	29.0	0.8	13.0	34.0	0.8	17.0	34.0	0.8	21.0	34.0	0.8
1.0000	8.0	20.5	0.6	10.0	20.5	0.8	10.0	20.5	0.8	11.0	29.0	0.8	15.0	34.0	0.8	20.0	34.0	0.8	18.0	45.0	0.8
1.5000	10.0	20.5	0.8	10.0	29.0	0.8	12.0	29.0	0.8	12.0	29.0	0.8	17.0	34.0	0.8	23.0	34.0	0.8	23.0	45.0	0.8
2.2000	10.0	20.5	0.8	12.0	29.0	0.8	13.0	29.0	0.8	13.0	34.0	0.8	20.0	34.0	0.8	27.0	34.0	0.8			
3.3000	11.0	29.0	0.8	13.0	29.0	0.8	16.0	34.0	0.8	16.0	34.0	0.8	23.0	34.0	0.8						
4.7000	13.0	29.0	0.8	15.0	34.0	0.8	18.0	34.0	0.8	18.0	34.0	0.8	27.0	34.0	0.8						
6.8000	14.0	34.0	0.8	17.0	34.0	0.8	21.0	34.0	0.8	21.0	34.0	0.8									
10.000	16.0	34.0	0.8	18.0	34.0	0.8	22.0	34.0	0.8	22.0	34.0	0.8									
15.000	17.0	34.0	0.8	19.0	34.0	0.8															
22.000	19.0	34.0	0.8	22.0	34.0	0.8															

Note: Higher Capacitance / Voltage available on request

METALLISED POLYESTER CAPACITORS – JSS 50204 CPM 08

Type MF : Rectangular, Plastic Case/Epoxy Fill, Radial lead



These capacitors are rectangular in shape and are provided with radial leads for easy PCB mounting and a high packaging density. These are encased in flame retardant Nylon or PBT cases and completely potted in epoxy to provide superior moisture, shock and vibration protection.

Dimensions (Max) in mm

Case Size	W	L	H	p	d	Case Size	W	L	H	p	d
A1	4.0	10.5	9.0	7.5	0.6	C5	7.0	18.0	14.0	15.2	0.6
A3	6.0	10.5	12.0	7.5	0.6	C6	7.5	18.5	13.5	15.2	0.6
B1	4.0	13.0	9.0	10.2	0.6	C7	8.0	18.0	15.0	15.2	0.8
B2	5.0	13.0	11.0	10.2	0.6	D2	8.5	26.5	17.0	22.5	0.8
B3	6.0	13.0	12.0	10.2	0.6	D3	10.0	26.5	18.5	22.5	0.8
B4	6.8	13.0	13.0	10.2	0.6	E1	11.0	32.0	20.0	27.5	0.8
C1	5.0	18.0	11.0	15.2	0.6	E2	15.5	32.0	24.5	27.5	0.8
C2	5.5	18.0	11.0	15.2	0.6	F1	17.0	41.5	29.0	37.5	0.8
C3	6.0	18.0	12.0	15.2	0.6	F2	14.0	44.0	24.0	37.5	0.8

Voltage	63V	100V	160V	250V	400V	630V	1000V
Value	Case Size	Case Size	Case Size	Case Size	Case Size	Case Size	Case Size
0.0100	B1	B1	B1	B1	B1	B1	C2
0.0150	B1	B1	B1	B1	B1	B2	C2
0.0220	B1	B1	B1	B1	B1	B3	C4
0.0330	B1	B1	B1	B1	B2	C2	D2
0.0470	B1	B1	B1	B1	B3	C4	D2
0.0680	B1	B1	B1	B1	C2	C6	D2
0.1000	B1	B1	B1	B2	C5	C7	D3
0.1500	B1	B1	B1	C2	C7	D2	E1
0.2200	B2	B2	B2	C2	D2	D3	E1
0.3300	B2	C2	C3	C3	D2	E1	
0.4700	B3	C2	C5	C7	D2	E2	
0.6800	B4	C5	C7	D2	E1	E2	
1.0000	C4	C5	C7	D2	E1	F2	
1.5000	C5	D2	D2	E1	E2		
2.2000	C7	D2	D3	E1			
3.3000	D2	D3	E1	E2			
4.7000	D2	E1	E1				
6.8000	D3	E2	E2				
10.000	E1	E2					

Printing on capacitors for identification:

Description	**Example**
Brand name	ADV
Capacitance/tolerance*/Voltage rating	.1K100V
Style type / Batch number (for some variants)	MF U1032

*Tolerance codes: ±20% - M, ±10% - K, ±5% - J, ±2.5% -H , ±2%-G, ±1%-F, ±0.5%-E

METALLISED POLYESTER CAPACITORS – AXIAL MINIATURE TYPE

Type MMWF : Cylindrical Wrap / Epoxy Fill, Axial Lead
These capacitors are cylindrical and are provided with yellow thermosetting tape outer wrap. The ends are sealed with epoxy resin. Electrically these capacitors conform to JSS 50204 CPM 07

Dimensions (in mm) : Body Diameter : 6.5mm max. Length : 11mm max.
Lead Diameter: 0.6mm Lead Length: 30mm min.

Voltage VDC	Capacitance Range µF	Voltage VDC	Capacitance Range µF
63	0.001 to 0.15	400	0.001 to 0.01
100	0.001 to 0.1	630	0.001 to 0.0068
160	0.001 to 0.1	1000	0.001 to 0.0068
250	0.001 to 0.047		

METALLISED POLYESTER CAPACITORS – RADIAL MINIATURE TYPE

Rectangular, Plastic Case/Epoxy Fill, Radial lead

These capacitors are rectangular in shape and are provided with radial leads for easy PCB mounting and a high packaging density. These are encased in flame retardant Nylon or PBT cases and completely potted in epoxy to provide superior moisture, shock and vibration protection. Electrically these capacitors conform to JSS 50204 CPM 08

Dimensions (in mm) :

7.5mm pitch Type: MMF						
Capacitance µF	63V	100V	160V	250V	400V	630V
	Case Size	Case Size	Case Size	Case Size	Case Size	Case Size
0.0010	A1	A1	A1	A1	A1	A1
0.0015	A1	A1	A1	A1	A1	A1
0.0022	A1	A1	A1	A1	A1	A1
0.0033	A1	A1	A1	A1	A1	A1
0.0047	A1	A1	A1	A1	A1	A1
0.0068	A1	A1	A1	A1	A1	A1
0.0100	A1	A1	A1	A1	A1	A1
0.0150	A1	A1	A1	A1	A1	A3
0.0220	A1	A1	A1	A1	A3	
0.0330	A1	A1	A1	A3	A3	
0.0470	A1	A1	A1	A3		
0.0680	A1	A1	A1	A3		
0.1000	A1	A1	A3	A3		
0.1500	A1	A1	A3			
0.2200	A3	A3	A3			
0.3300	A3	A3				
0.4700	A3	A3				
0.6800	A3					

Note: Please refer to page no.3 for Case sizes

Advance Components & Instruments Pvt. Limited
Reg. Office & Factory : 3A Belawadi Industrial Area, Mysore – 570 018
E-mail : enquiries@advancecapacitors.com / advcaps@gmail.com
Website: www.advance-capacitors.com

ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.
Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS
Registered Office & Factory :
3A-3A/1, Belavadi Indl.Area, Mysore - 570 018. INDIA

Phone : +91 821 2402307, 2402301
E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com
Website : www.advance-capacitors.com

An ISO 9001 & ISO 13485 Company
GSTIN : 29AABCA1720D1ZA

ADVANCE CAPACITORS-Metallised Polyphenylene Sulphide (PPS)

GENERAL :

- ◆ Non Polar
- ◆ Low Losses
- ◆ Good Stability
- ◆ Self Healing
- ◆ Low Temperature Co-efficient
- ◆ Wide Operating Temperature Range

APPLICATIONS :

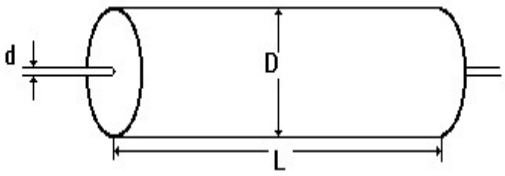
- ◆ Timers
- ◆ High Ambient Temperature Applications
- ◆ Automotive Applications
- ◆ High Stability

SPECIFICATIONS

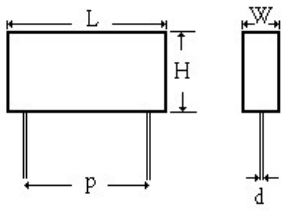
Temperature range	: -55° C to +125° C
Tan delta	: <=0.002 at 1 kHz
Insulation Resistance	: 5000 Mohm.mfd(second), 15,000 Mohm max.
Test Voltage	: 1.6 times rated Voltage for 2s
Climatic Category	: 55/125/56
Tolerance	: ±1%, ±2%, ±5%, ±10%
Marking Details	: ADVANCE Value / Tolerance Voltage Style code Batch No./Month and Year code

STYLES :

SMWF: Cylindrical, Tape Wrap, Axial lead



SMF: Rectangular, Box encased, Radial lead



ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.
Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS
Registered Office & Factory :
3A-3A/1, Belavadi Indl.Area, Mysore - 570 018, INDIA
Phone : +91 821 2402307, 2402301
E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com
Website : www.advance-capacitors.com
An ISO 9001 & ISO 13485 Company
GSTIN : 29AABCA1720D1ZA

ADVANCE CAPACITORS-METALLISED POLYPHENYLENE SULPHIDE (PPS)

Axial Type (SMWF) : **Dimensions in mm**

Voltage	63Vdc (SWD)			100Vdc (SWH) / 160Vdc (SWR)			250Vdc (SWG)			400Vdc (SWW)		
Value	D	L	d	D	L	d	D	L	d	D	L	d
0.010	6.0	15.0	0.6	6.0	15.0	0.6	6.0	15.0	0.6	6.0	15.0	0.6
0.022	6.0	15.0	0.6	6.0	15.0	0.6	6.0	15.0	0.6	6.0	15.0	0.6
0.033	6.0	15.0	0.6	6.0	15.0	0.6	6.0	15.0	0.6	7.0	15.0	0.6
0.047	6.0	15.0	0.6	6.0	15.0	0.6	6.0	15.0	0.6	8.0	15.0	0.6
0.068	6.0	15.0	0.6	6.0	15.0	0.6	7.0	15.0	0.6	8.0	15.0	0.6
0.100	6.0	15.0	0.6	6.0	15.0	0.6	8.0	15.0	0.6	8.0	19	0.6
0.150	7.0	15.0	0.6	7.0	15.0	0.6	9.0	15.0	0.6			
0.220	7.0	15.0	0.6	7.0	15.0	0.6	8.0	19.0	0.6			
0.330	8.0	15.0	0.6	8.0	15.0	0.6	10.0	19.0	0.8			
0.470	7.0	15.0	0.6	7.0	19.0	0.6	11.0	19.0	0.8			
0.680	6.0	19.0	0.6	8.0	19.0	0.6						
1.000	7.0	19.0	0.6	10.0	19.0	0.8						
1.500	8.0	19.0	0.6	9.0	27.0	0.6						
2.200	10.0	19.0	0.8	11.0	27.0	0.8						
3.300	10.0	27.0	0.8	12.5	27.0	0.8						
4.700	11.0	27.0	0.8	13.0	32.0	0.8						
6.800	12.0	32.0	0.8	15.0	32.0	0.8						
10.00	13.0	32.0	0.8	19.0	32.0	0.8						

Radial Type (SMF): **Dimensions in mm**

Voltage	63Vdc					100 / 160 Vdc					250Vdc					400Vdc				
Value	W	L	H	p	d	W	L	H	p	d	W	L	H	p	d	W	L	H	p	d
0.010	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6
0.022	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6
0.033	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6
0.047	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	6	13	12	10.2	0.6
0.068	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6					
0.100	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	6.0	13	12.0	10.2	0.6					
0.150	5.0	13	11.0	10.2	0.6	5.0	13	11.0	10.2	0.6	7.0	18	13.1	15.2	0.6					
0.220	5.0	13	11.0	10.2	0.6	6.0	13	12.0	10.2	0.6	7.0	18	13.1	15.2	0.6					
0.330	5.0	13	11.0	10.2	0.6	5.5	18	11.0	15.2	0.6	9.0	18	14.5	15.2	0.8					
0.470	6.0	13	12.0	10.2	0.6	7.0	18	13.1	15.2	0.6	9.0	18	14.5	15.2	0.8					
0.680	6.8	13	13.0	10.2	0.6	6.5	18	12.0	15.2	0.8										
1.000	6.5	18	12.0	15.2	0.6	9.0	18	14.5	15.2	0.8										
1.500	7.0	18	13.1	15.2	0.6	8.5	27	18.5	22.5	0.8										
2.200	9.0	18	14.5	15.2	0.8	10.0	27	18.5	22.5	0.8										
3.300	10.0	27	18.5	22.5	0.8	10.5	31	21.0	27.5	0.8										
4.700	10.0	27	18.5	22.5	0.8	10.5	31	21.0	27.5	0.8										
6.800	13.5	32	23.5	27.5	0.8	13.5	32	23.5	27.5	0.8										
10.00	13.5	32	23.5	27.5	0.8	13.5	32	23.5	27.5	0.8										

ADVANCE COMPONENTS AND INSTRUMENTS PVT. LTD.
Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS
Registered Office & Factory :
3A-3A/1, Belavadi Indl.Area, Mysore - 570 018. INDIA
Phone : +91 821 2402307, 2402301
E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com
Website : www.advance-capacitors.com
An ISO 9001 & ISO 13485 Company
GSTIN : 29AABCA1720D1ZA

Advance Metallised Polypropylene Capacitors

GENERAL :

- Non Polar
- Low Losses
- Low ESR
- Self Healing
- High Insulation Resistance
- Good High Frequency Stability
- High Stability
- Negative ppm
- Non Inductive

APPLICATIONS :

- Requiring Precision Capacitors
- Measuring Instruments
- Telephone Systems
- High Frequency Applications
- Timing Circuits
- L-C Filters
- Sample & Hold Circuits

STYLE :

Type : MKP-5 : Cylindrical, Tape wrap, Axial Lead

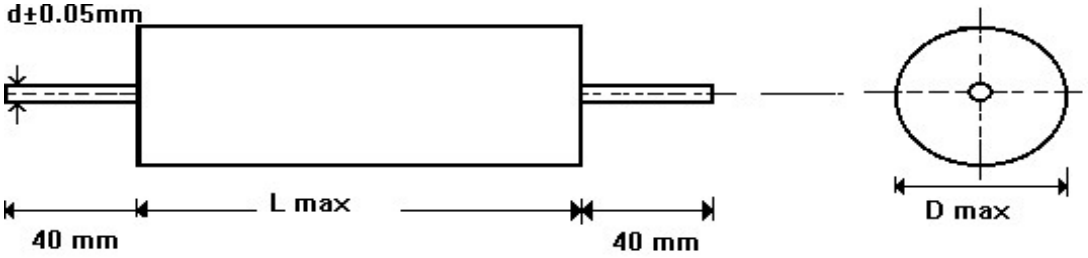
STANDARDS : IEC-384-16

SPECIFICATIONS :

Temperature Range	: -55 °C to +100 °C
Tan Delta (C < 1uf)	: 0.0005 at 1 KHz
Insulation Resistance	: 30,000 MΩ*µF
at 100 V DC	60,000 MΩ max.
Test Voltage	: 1.6 times rated DC Voltage
Climatic Category	: 55/100/56
Voltage Derating	: 1.5% per C above 85°C
Tolerance	: ±1%, ±2%, ±5%, ±10%
Pulse Rise Time	: 5 to 25 V/microsecond
Stability	: < 0.5% over 2 Years

Registered Office and Factory:
Advance Components and Instruments Pvt Ltd
3A-3A/1, Belavadi Industrial Area ,Mysore – 570018 KARNATAKA
Mobile & WhatsApp: +91 8073111025
E-mail : **advcaps@gmail.com** / **enquiries@advancecapacitors.com**
Website: www.advance-capacitors.com

METALLISED POLYPROPYLENE CAPACITORS – TYPE :MKP-5



d=0.6mm for D<8.0mm
d=0.8mm for D>8.0mm

DIMENSIONS : (in mm)

CAP	63 / 100 /160 / 250 VDC		400VDC		630 VDC		1000 VDC	
µF	D	L	D	L	D	L	D	L
0.00047							6.0	11.5
0.00082							6.0	11.5
0.0010							6.0	11.5
0.0022							6.0	11.5
0.0033							6.0	11.5
0.0047							6.0	11.5
0.0068							6.0	11.5
0.0100			6.0	11.5	6.0	11.5	6.0	20.5
0.0150			6.0	11.5	6.0	11.5	6.5	20.5
0.0220			6.0	11.5	7.0	11.5	7.0	20.5
0.0330			6.5	16.5	9.0	16.5	8.5	20.5
0.0470	6.0	11.5	7.5	16.5	7.0	20.5	10.0	20.5
0.0680	6.5	11.5	8.5	16.5	8.0	20.5	10.0	28.5
0.1000	7.5	11.5	8.0	20.5	9.5	20.5	11.0	28.5
0.1500	7.5	20.5	9.5	20.5	11.0	20.5	13.0	28.5
0.2200	8.5	20.5	11.0	20.5	11.0	28.5	14.0	34.0
0.3300	10.5	20.5	11.0	28.5	12.5	28.5	18.0	34.0
0.4700	12.0	20.5	12.0	28.5	13.0	34.0		
0.6800	13.0	20.5	13.0	34.0	16.0	34.0		
1.0000	15.0	20.5	15.5	34.0	19.0	34.0		
1.5000	12.0	34.0	16.0	45.0	20.0	45.0		
2.2000	14.0	34.0	20.0	45.0	24.0	45.0		
3.3000	16.5	34.0	24.0	45.0	28.0	45.0		
4.7000	20.0	34.0	27.0	45.0	34.0	45.0		
10.000	28.0	34.0						

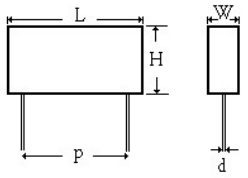
Note: Other values available on request
Close Tolerance (1%) sizes will be quoted on request

ADVANCE COMPONENTS
AND INSTRUMENTS PVT. LTD.
Mfrs. of PLASTIC FILM CAPACITORS & EMI NOISE FILTERS
Registered Office & Factory :
3A-3A/1, Belavadi Indl.Area, Mysore - 570 018. INDIA

Phone : +91 821 2402307, 2402301
E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com
Website : www.advance-capacitors.com
An ISO 9001 & ISO 13485 Company
GSTIN : 29AABCA1720D1ZA

METALLISED POLYPROPYLENE CAPACITORS – TYPE:MKP-4

Type MKP-4 Rectangular, Plastic Case/Epoxy Fill, Radial lead



These capacitors are rectangular in shape and are provided with radial leads for easy PCB mounting and
a high packaging density. These are encased in flame retardant Nylon or PBT cases and completely potted
in epoxy to provide superior moisture, shock and vibration protection.

Dimensions (Max) in mm

Case Size	W	L	H	p	d	Case Size	W	L	H	p	d
A1	4.0	10.5	9.0	7.5	0.6	C7	8.0	18.0	15.0	15.2	0.8
A2	5.0	10.5	11.0	7.5	0.6	D2	8.5	26.5	17.0	22.5	0.8
A3	6.0	10.5	12.0	7.5	0.6	D3	10.0	26.5	18.5	22.5	0.8
B1	4.0	13.0	9.0	10.2	0.6	E1	11.0	32.0	20.0	27.5	0.8
B2	5.0	13.0	11.0	10.2	0.6	E2	15.5	32.0	24.5	27.5	0.8
B3	6.0	13.0	12.0	10.2	0.6	F1	17.0	41.5	29.0	37.5	0.8
B4	6.8	13.0	13.0	10.2	0.6	F2	14.0	44.0	24.0	37.5	0.8
C1	5.0	18.0	11.0	15.2	0.6	I1	19.0	43.5	36.0	40.0	0.8
C2	5.5	18.0	11.0	15.2	0.6	I2	24.0	48.0	38.0	40.0	0.8
C3	6.0	18.0	12.0	15.2	0.6	I3	30.0	44.0	44.0	40.0	0.8
C5	7.0	18.0	14.0	15.2	0.6	I4	43.0	54.0	50.0	40.0	0.8
C6	7.5	18.5	13.5	15.2	0.6						

Voltage	63V	100V	160V	250V	400V	630V	1000V
Value	Case Size	Case Size	Case Size	Case Size	Case Size	Case Size	Case Size
0.0010	A1/B1	A1/B1	A1/B1	A1/B1	A1/B1	A1/B1	A1/B1
0.0022	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2
0.0033	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2
0.0047	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2	A3/B3
0.0068	A3/B3	A3/B3	A3/B3	A3/B3	A3/B3	A3/B3	A3/B3
0.0100	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2	C1	C3
0.0150	A3/B3	A3/B3	A3/B3	A3/B3	A3/B3	C3	C3
0.0220	A3/B3	A3/B3	A3/B3	A3/B3	A3/B3	C3	C5
0.0330	A3	A3	A3	A3	A3	C5	C6
0.0470	A3	A3	A3	A3	C1	C5	D2
0.0680	A3	A3	A3	A3	C3	C6	D2
0.1	C5	C5	C5	C5	C5	C7	D3
0.1500	C5	C5	C5	C5	C6	D2	D3
0.2200	C5	C5	C5	C5	C7	D3	E1
0.33	C6	C6	C6	C6	D3	E1	E1
0.47	E1	E1	E1	E1	D3	E1	E2
0.68	E1	E1	E1	E1	I1	I1	E2
1	E1	E1	E1	E1	F1	F1	F2
1.5	E1	E1	E1	E1	F1	F1	-
2.2	E2	E2	E2	E2	F1	I1	-
3.3	E2	E2	E2	E2	I1	I2	-
4.7	I1	I1	I1	I1	I2	I3	-
6.8	I2	I2	I2	I2	I3	I4	-
10	I3	I3	I3	I3	I4	-	-
15	I3	I3	I3	I3	I4	-	-
22	I4	I4	I4	I4	-	-	-