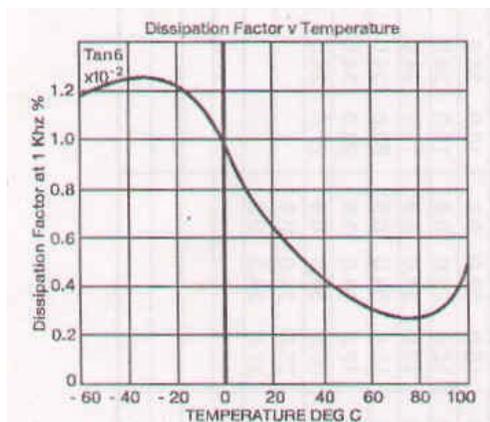


Metallised Polyester Capacitors

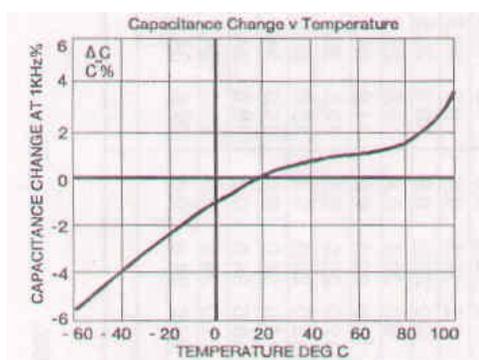


GENERAL :

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

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 - MWOFF - 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

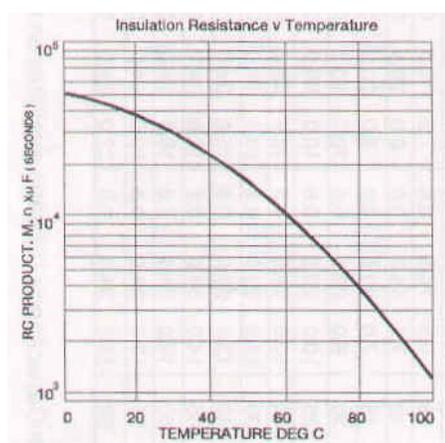
Test Voltage : 1.6 x rated dc voltage

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

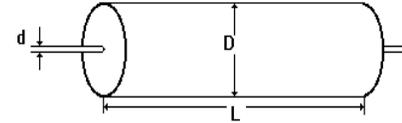
METALLISED POLYESTER CAPACITORS - JSS 50204 CPM 07

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		
	D	L	d	D	L	d	D	L	d	D	L	d	D	L	d	D	L	d	D	L	d
0.0010	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6
0.0015	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6
0.0022	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6
0.0033	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6
0.0047	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6
0.0068	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6	6.5	11	0.6
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

Voltage	63V					100V					160V					250V				
Val	W	L	H	P	d	W	L	H	P	d	W	L	H	P	d	W	L	H	P	d
1.0000	6	18	12	15.2	0.6	7	18	14	15.2	0.6	8	18	15	15.2	0.8	8.5	26.5	18.5	22.5	0.8
1.5000	7	18	14	15.2	0.6	8.5	26.5	18.5	22.5	0.8	8.5	26.5	18.5	22.5	0.8	11	32	20	27.5	0.8
2.2000	8	18	15	15.2	0.8	8.5	26.5	18.5	22.5	0.8	10	26.5	18.5	22.5	0.8	11	32	20	27.5	0.8
3.3000	8.5	26.5	18.5	22.5	0.8	10	26.5	18.5	22.5	0.8	11	32	20	27.5	0.8	15.5	32	24.5	27.5	0.8
4.7000	8.5	26.5	18.5	22.5	0.8	11	32	20	27.5	0.8	11	32	20	27.5	0.8					
6.8000	10	26.5	18.5	22.5	0.8	15.5	32	24.5	27.5	0.8	15.5	32	24.5	27.5	0.8					
10.000	11	32	20	27.5	0.8	15.5	32	24.5	27.5	0.8										

Voltage	400V					630V					1000V				
Value	W	L	H	P	d	W	L	H	P	d	W	L	H	P	d
0.0010	4	10.5	9	7.5	0.6	4	10.5	9	7.5	0.6					
0.0015	4	10.5	9	7.5	0.6	4	10.5	9	7.5	0.6					
0.0022	4	10.5	9	7.5	0.6	4	10.5	9	7.5	0.6					
0.0033	4	10.5	9	7.5	0.6	4	10.5	9	7.5	0.6					
0.0047	4	10.5	9	7.5	0.6	4	10.5	9	7.5	0.6					
0.0068	4	10.5	9	7.5	0.6	4	10.5	9	7.5	0.6					
0.0100	4	10.5	9	7.5	0.6	4	10.5	9	7.5	0.6	5.5	18.0	11	15.2	0.6
	4	13	9	10.2	0.6	4	13	9	10.2	0.6					
0.0150	4	10.5	9	7.5	0.6	5	10.5	11	7.5	0.6	5.5	18.0	11	15.2	0.6
	4	13	9	10.2	0.6	5	10.5	11	10.2	0.6					
0.0220	5	10.5	11	7.5	0.6	6	13	12	10.2	0.6	7	18	14	15.2	0.6
	4	13	9	10.2	0.6										
0.0330	5	10.5	11	7.5	0.6	6	13	12	10.2	0.6	8.5	26.5	18.5	22.5	0.8
	5	10.5	11	10.2	0.6										
0.0470	6	13	12	10.2	0.6	6	13	12	10.2	0.6	8.5	26.5	18.5	22.5	0.8
0.0680	5.5	18	11	15.2	0.6	8	18	15	15.2	0.8	8.5	26.5	18.5	22.5	0.8
0.1000	7	18	14	15.2	0.6	8	18	15	15.2	0.8	10	26.5	18.5	22.5	0.8
0.1500	8	18	15	15.2	0.8	8.5	26.5	18.5	22.5	0.8	11	32	20	27.5	0.8
0.2200	8.5	26.5	18.5	22.5	0.8	10	26.5	18.5	22.5	0.8	11	32	20	27.5	0.8
0.3300	8.5	26.5	18.5	22.5	0.8	11	32	20	27.5	0.8	15.5	32	24.5	27.5	0.8
0.4700	8.5	26.5	18.5	22.5	0.8	15.5	32	24.5	27.5	0.8	17	41.5	29	37.5	0.8
0.6800	11	32	20	27.5	0.8	15.5	32	24.5	27.5	0.8	17	41.5	29	37.5	0.8
1.0000	11	32	20	27.5	0.8	14	44	24	37.5	0.8	17	41.5	29	37.5	0.8
1.5000	15.5	32	24.5	27.5	0.8										
2.2000	15.5	32	24.5	27.5	0.8										

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

Advance Components & Instruments Pvt. Limited

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Phone: +91 821 2402301 / 2402307 Fax : +91 821 2403058

E-mail : enquiries@advancecapacitors.com / advcaps@gmail.com

Website: www.advance-capacitors.com

ADVANCE Metallised Polycarbonate Capacitors

GENERAL :

- Non-Polar
- Non-Inductive
- Self-Healing
- Low Dissipation Factor
- Higher Capacitance/ Voltage on request
- Epoxy Resin Sealed
- Humidity, Shock, Vibration Proof
- Tin-Electroplated Lead
- High Insulation Resistance

APPLICATIONS:

- Instrumentation
- Communications
- R-C Circuits
- Control/Guidance Equipment
- Low PPM Applications
- Tuning
- Filter, Bypass
- Computers, Switching
- Close Tolerance

STYLES :

- CMWF - Cylindrical, Tape Wrap, Epoxy End Fill, Axial Lead
- CMF - Rectangular, Plastic Case, Epoxy Fill, Radial Lead
- CMWOF - Oval Shape, Tape Wrap, Axial Lead
- CMTF - Cylindrical, Plastic case, Epoxy End Fill, Axial Lead

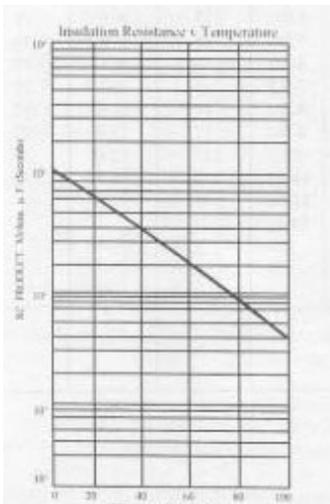
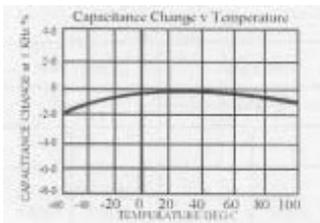
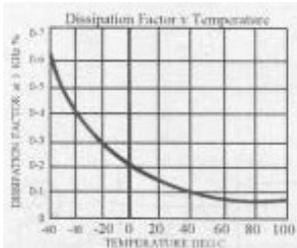
STANDARDS:

JSS 50204 MIL-C-27287 IEC 384-6

SPECIFICATIONS:

All measurements are made at 20 °C and 1kHz.

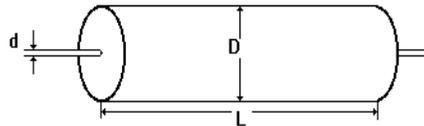
Temperature Range	: -55 °C to +125° C
Power Factor (Tan delta)	: ≤ 0.003 (typical 0.0015)
Insulation Resistance	: for voltage ≤ 100V >15,000 MΩ for capacitance ≤ 0.33μF > 5,000 MΩ*F for capacitance > 0.33 μF
	: for voltage >100V > 30,000 MΩ for capacitance ≤ 0.33μF > 15,000 MΩ*μF for capacitance > 0.33 μF
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%, ±2.5%, ±2%, ±1%, ±0.5%



METALLISED POLYCARBONATE CAPACITORS

Type CMWF : 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



Dimensions (Max) in mm

Voltage	63 VDC / CWD			100 VDC / CWH 160 VDC / CWR			250 VDC / CWG			400 VDC / CWW			630 VDC / CWK		
	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
0.0150	6.0	16.5	0.6	6.0	16.5	0.6	6.0	16.5	0.6	6.0	16.5	0.6	7.0	16.5	0.6
0.0220	6.0	16.5	0.6	6.0	16.5	0.6	6.5	16.5	0.6	6.0	16.5	0.6	8.0	16.5	0.6
0.0330	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	7.0	16.5	0.6	8.0	20.5	0.6
0.0470	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	8.0	16.5	0.6	9.5	20.5	0.6
0.0680	6.5	16.5	0.6	6.5	16.5	0.6	6.5	16.5	0.6	9.0	16.5	0.6	10.5	20.5	0.8
0.1000	6.5	16.5	0.6	6.5	16.5	0.6	8.0	16.5	0.6	9.0	20.5	0.6	9.5	29.0	0.8
0.1500	6.5	16.5	0.6	6.5	16.5	0.6	9.5	16.5	0.8	10.0	20.5	0.8	11.0	29.0	0.8
0.2200	6.5	16.5	0.6	7.0	16.5	0.6	9.0	20.5	0.6	10.0	29.0	0.8	12.5	29.0	0.8
0.3300	7.0	16.5	0.6	7.5	16.5	0.6	10.5	20.5	0.8	11.0	29.0	0.8	14.0	34.0	0.8
0.4700	7.0	16.5	0.6	7.5	20.5	0.6	12.5	20.5	0.8	13.0	29.0	0.8	16.5	34.0	0.8
0.6800	7.5	20.5	0.6	8.5	20.5	0.8	12.0	29.0	0.8	14.0	34.0	0.8			
1.0000	7.5	20.5	0.6	9.9	20.5	0.8	13.5	29.0	0.8	16.0	34.0	0.8			
1.5000	8.5	20.5	0.8	9.5	29.0	0.8	15.0	34.0	0.8						
2.2000	10.0	29.0	0.8	11.0	29.0	0.8	17.0	34.0	0.8						
3.3000	10.5	29.0	0.8	13.0	29.0	0.8									
4.7000	11.5	29.0	0.8	14.0	34.0	0.8									
6.8000	13.0	34.0	0.8	16.5	34.0	0.8									
10.000	14.5	34.0	0.8	19.5	34.0	0.8									

Note: Higher Capacitance / Voltage available on request

Printing on capacitors for identification:

Description

Brand name

Capacitance/tolerance*/Voltage rating

Style type / Batch number (for some variants)

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

Example

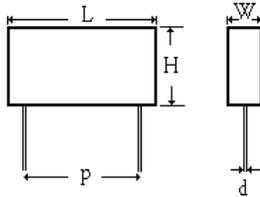
ADV

.1K100V

CMF U1032

METALLISED POLYCARBONATE CAPACITORS – JSS 50204

Type CMF : 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 polypropylene cases and completely potted in epoxy to provide superior moisture, shock and vibration protection.

Dimensions (Max) in mm

Case Size	W	L	H	C	d
1A	4.0	13.0	9.0	10.2	0.6
1B	5.0	13.0	11.0	10.2	0.6
1C	6.0	13.0	12.0	10.2	0.6
1D	6.8	13.0	13.0	10.2	0.6
2A	5.0	18.0	11.0	15.2	0.6
2B	6.0	18.0	12.0	15.2	0.6
2C	8.0	18.0	15.0	15.2	0.6
3A	8.5	26.5	17.0	22.5	0.8
3B	10.0	26.5	18.5	22.5	0.8
4A	11.0	32.0	20.0	27.5	0.8

Voltage	63 Vdc / 45 Vac	160 Vdc / 100 Vac	250 Vdc / 150 Vac	400 Vdc / 250 Vac	630 Vdc / 250 Vac
Capacitance in μF	Case Size	Case Size	Case Size	Case Size	Case Size
0.0100	1A	1A	1A	1A	1A
0.0150	1A	1A	1A	1A	1A
0.0220	1A	1A	1A	1A	1D
0.0330	1A	1A	1A	1C	2A
0.0470	1A	1A	1A	1C	2B
0.0680	1A	1A	1A	2A	2C
0.1000	1A	1A	1C	2A	2C
0.1500	1A	1A	2A	2C	
0.2200	1A	1C	2B	2C	
0.3300	1A	2A	2C	3A	
0.4700	1B	2B	3A	3A	
0.6800	1C	2C	3A	3B	
1.0000	2B	2C	3B	4A	
1.5000	2B	3A	4A		
2.2000	2C	3A	4A		
3.3000	3A	3B			
4.7000	3A	4A			
6.8000	3A	4A			
10.000	4A				



**ADVANCE COMPONENTS
AND INSTRUMENTS PVT. LTD.**
Manufacturers of PLASTIC FILM CAPACITORS
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ADVANCE CAPACITORS-METALLISED POLYPHENYLENE (PPS)

GENERAL :

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

APPLICATIONS :

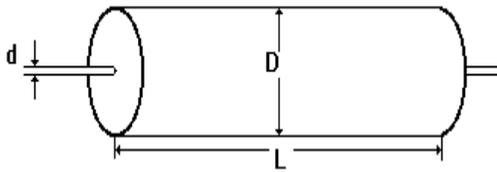
- ◆ Timers
- ◆ Automotive Applications
- ◆ High Ambient Temperature Applications
- ◆ High Stability

STYLES : SMWF: Cylindrical, Tape Wrap, Axial lead
SMF : Rectangular, Box encased, Radial lead

SPECIFICATIONS

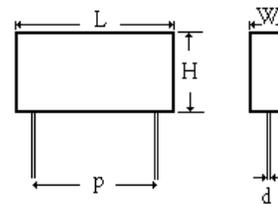
Temperature range	: -55° C to +125° C
Tan delta	: <=0.002 at 1 kHz
Insulation Resistance	: 5000 Mohm.mfd(second), 15,000 Mohm max.
Test Voltage	: 1.6 times rated Voltage for 2s
Climatic Category	: 55/125/56
Tolerance	: ±1%, ±2%, ±5%, ±10%
Marking Details	: ADVANCE Value / Tolerance Voltage Style code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

ADVANCE CAPACITORS-METALLISED POLYPHENYLENE SULPHIDE (PPS)



Axial Type (SMWF) : Dimensions in mm

Voltage	63Vdc (SWD)			100Vdc (SWH) / 160Vdc (SWR)			250Vdc (SWG)		
	D	L	d	D	L	D	D	L	d
0.047							6.0	15.0	0.6
0.068							7.0	15.0	0.6
0.100	6.0	15.0	0.6	6.0	15.0	0.6	8.0	15.0	0.6
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	8.5	27.0	0.8
1.000	7.0	19.0	0.6	10.0	19.0	0.8	10.0	27.0	0.8
1.500	8.0	19.0	0.6	9.0	27.0	0.6	15.0	27.0	0.8
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				
	W	L	H	p	d	W	L	H	p	d	W	L	H	p	d
0.047											5.0	13	11.0	10.2	0.6
0.068											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.**

Manufacturers of PLASTIC FILM CAPACITORS

Registered Office & Factory :

3A-3A/1, Belavadi Indl Area, Mysore - 570 018, INDIA



ISO 9001 : 2015
ISO 13485 : 2016

Phone : +91 821 2402307, 2402301, 2403058

E-mail : enquiries@advancecapacitors.com
advcaps@gmail.com

Website : www.advance-capacitors.com

GSTIN : 29AABCA1720D1ZA

Metallised Polypropylene Axial 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



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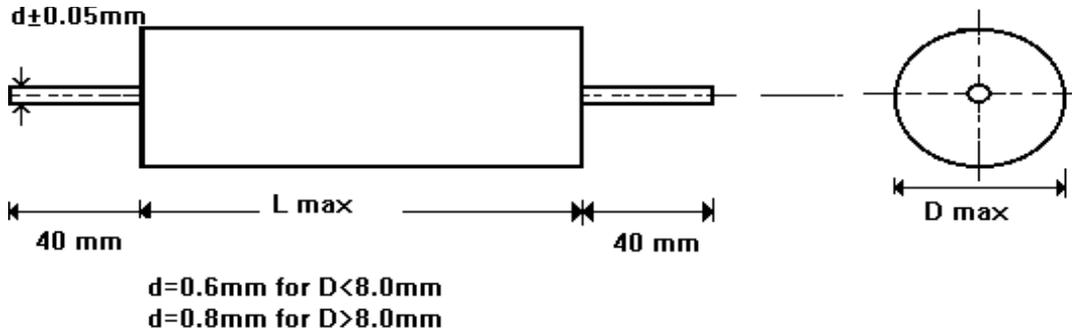
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GSTIN : 29AABCA1720D1ZA

METALLISED POLYPROPYLENE CAPACITORS – TYPE :MKP-5



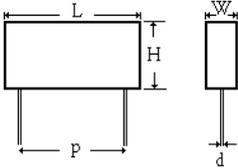
DIMENSIONS : (in mm)

CAP μF	63 / 100 / 160 / 250 VDC		400VDC		630 VDC		1000 VDC	
	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

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	C	d	Case Size	W	L	H	C	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						
0.0010	A1/B1						
0.0022	A2/B2						
0.0033	A2/B2						
0.0047	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2	A2/B2	A3/B3
0.0068	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	-
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	-	-	-



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