

ADVANCE Metallised Polypropylene Power Capacitors

General:

Extensive range of Capacitance and Voltage ratings in a large variety of cases, terminals and mountings make ADVANCE Metallised Polypropylene Capacitors ideally suitable for most AC applications as a replacement for paper capacitors.. The metallised electrodes allow self healing in operation. The excellent electrical properties of the polypropylene film and ADVANCE construction techniques allow higher ionisation inception voltage and a longer life. Non-inductively wound capacitor elements are housed in cases and sealed with epoxy resin, leading to a completely dry construction, eliminating damages due to leaky impregnants.

The capacitors are rated at 50Hz but may be operated at higher frequencies without exceeding the VA rating. The very low power factor of polypropylene matched by the connection techniques used, lead to capacitors with extremely low internal losses and a long life.

APPLICATIONS :

Motor Start/Run	Fan motors
Air Conditioners	Fluorescent Lighting
Power Factor Correction	Elements for Power Factor Capacitors
Power Electronics	LC Filtering of Harmonics
Ferro Resonant Supplies	Uninterrupted Power Supplies
Constant Voltage Supplies	Energy Storage

STANDARDS

IS 1569, 1976	-	Capacitors for Fluorescent Lighting
IS 1709, 1960	-	Capacitors for Fan motors
IS 2993, 1975	-	Capacitors for Motors
IS 2834, 1981	-	Capacitors for Power Systems

Specifications (All measurements are made at 25°C):

Temperature Range	: -40 °C to +85 °C
Tan Delta	: <0.001 at 1 kHz
Insulation Resistance	: 10,000 Mohm* μ F
Test Voltage	: As per IS standards
Climatic Category	: 55/85/56
Tolerance	: \pm 5%, \pm 10%
Temperature Co-efficient	: -150 ppm/ °C

Registered Office and Factory:

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STYLES :

BP2 – 250Vac - suitable for Fluorescent Lighting applications

AP2 – 250Vac - suitable for Higher RMS Current and Dielectric Strength applications

BP4 – 415 / 440Vac – suitable for fans, motors, air conditioners etc.,

AP4 – 415 / 440Vac - suitable for Pulse, Higher RMS current and Dielectric Strength applications

Type : BP2 – 250Vac				Type : AP2 – 250Vac			
μF	Size in mm D x L (Can)		Connector / Mounting (optional)	μF	Size in mm D x L (Can) / WxLxH(Box)		Connector / Mounting (optional)
	Aluminium	Plastic			Aluminium	Plastic	
2.0	27*52	27*52	T / BS	2.0	27*52	27.52	T / BS
3.0	27*52	27*52	T / BS	3.0	30*52	30*52	T / BS
4.0	27*52	27*52	T / BS	4.0	30*52	30*52	T / BS
6.0	30*52	30*52	T / BS	6.0	35*55	35*55	T / BS
8.0	35*55	30*52	T / BS	8.0	45*55	38*55	T / BS
10.0	35*55	35*52	T / BS	10.0	38*100	38*95	T / BS
20.0	38*100	38*95	T,S / BS	20.0	45*100	45*95	T,S / BS
25.0	45*100	40*94	T,S / BS	25.0	50*100	50*95	T,S / BS
30.0	45*100	45*94	T,S / BS	30.0	54*105	57*95	T,S / BS
35.0	50*100	50*95	T,S / BS	35.0	50*120	50*120	T,S / BS
40.0	50*100	50*95	T,S / BS	40.0	50*120	50*120	T,S / BS
45.0	54*105	57*95	T,S / BS	45.0		54*120	T,S / BS
50.0	54*105	57*95	T,S / BS	50.0		54*120	T,S / BS
60.0	63.5*110	57*95	T,S / BS	50.0	50*100*115		S / BS,C
				60.0	50*110*120		S / BS,C



NOTE: AP2S and AP4S types are available with Segmented Film (P2/S2 safety level capacitors)

Type : BP4 – 415/440Vac				Type : AP4 – 415/440VAC			
μF	Size in mm D x L(can) / WxLxH(Box)		Connector / Mounting (optional)	μF	Size in mm D x L(can) / WxLxH(Box)		Connector / Mounting (optional)
	Aluminium	Plastic			Aluminium	Plastic	
2.0	27*52	27*52	T/ BS	2.0	30*52	30*52	T/BS
3.0	30*52	30*52	T / BS	3.0	35*55	35*52	T / BS
4.0	30*52	30*52	T/ BS	4.0	35*55	35*52	T/ BS
6.0	35*55	35*55	T/ BS	6.0	40*100	38*95	T/ BS
8.0	45*55	38*55	T / BS	8.0	40*100	38*95	T/ BS
10.0	38*100	38*95	T / BS	10.0	45*100	45*95	T/BS
20.0	45*100	45*95	T,S / BS	20.0	54*105	57*95	T,S / BS
25.0	50*100	50*95	T,S / BS	25.0	63.5*110	57*95	T,S / BS
30.0	54*105	57*95	T,S / BS	25.0	50*80*97		S / BS,C
35.0	50*120	50*120	T,S / BS	30.0	50*100*115		S / BS,C
40.0	50*120	50*120	T,S / BS	36.0	50*100*115		S / BS,C
45.0		54*120	T,S / BS	40.0	50*100*115		S / BS,C
50.0		54*120	T,S / BS	45.0	50*125*135		S / BS,C
50.0	50*100*115		S / BS,C	50.0	50*125*135		S / BS,C
60.0	50*110*120		S / BS,C	60.0	50*125*135		S / BS.,C

Type – AP6 – 600Vac			Type-AP5 - 500Vac			
μF	Size in mm D*L(can) / W*L*H(box)	Connector / Mounting (optional)	μF	Size in mm D x L(Al. can)	Size in mm D x L(plastic can)	Connector / Mounting (optional)
1.0	38*100	T,S / BS	2.5	35*55	30*52	T,S / BS
2.0	38*100	T,S / BS	3.2	35*55	35*52	T,S / BS
3.0	38*100	T,S / BS	6.5	38*100	38*95	T,S / BS
4.0	38*100	T,S / BS	8.0	38*100	38*95	T,S / BS
5.0	45*100	T,S / BS	10.0	45*100	45*95	T,S / BS
6.0	50*100	T,S / BS	15.0	50*100	50*95	T,S / BS
10.0	63.5*110	T,S / BS	25.0	63.5*110	54*120	T,S / BS
15.0	50*100*115	S / BS,C	30.0	63.5*110	54*120	S / BS,C
20.0	50*125*135	S / BS,C	42.0	65*120		S / BS,C
25.0	50*125*135	S / BS,C				
30.0	50*135*145	S / BS,C				

Connectors :

T – Solderable Tag type

S – Screw Type

Mounting:

BS – Bottom Stud (Optional)

C – Clamp Type (on rectangular Metal Boxes only)

NOTE: AP2S and AP4S types are available with Segmented Film (P2/S2 safety level capacitors)