



ADVANCE COMPONENTS AND INSTRUMENTS PVT LTD

(An ISO 9001 Company)

Manufacturers of PLASTIC FILM CAPACITORS

IN TECHNICAL COLLABORATION WITH GOULD ADVANCE LIMITED U.K.

Registered Office & Factory: 3A-3A/1, Belavadi Indl.Area, Mysore – 570 018. INDIA.

Telephone: (0821) – 2402307, 2402301 Fax: (0821) - 5282058

Email: advcaps@vsnl.com Website: www.advance-capacitors.com

Mumbai Office: Tel - (022) 22073507. Email: advcapsmumbai@eth.net

ADVANCE METALLISED POLYPROPYLENE 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. Their metallised electrodes allow self healings in service. 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. This makes ADVANCE capacitors ideal for AC applications and as a replacement for paper capacitors.

APPLICATIONS :

Motor Start/Run	Fan motors
Airconditioners	Fluorescent Lighting
Power Factor Correction	Elements for Power Factor Capacitors
Power Electronics	LC Filtering of Harmonics
Ferro Resonant Supplies	Uninterruptable 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	: 30,000 Mohm*mfd
Test Voltage	: As per IS standards
Climatic Category	: 55/85/56
Tolerance	: ±5%, ±10%
Temperature Co-efficient	: -150 ppm/ °C



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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	μF	Size in mm D x L (Can) / WxLxH(Box)		Connector / Mounting
	Aluminium	Plastic			Aluminium	Plastic	
2.0	27*52	27*52	T / B.S	2.0	27*52	27.52	T / B.S
3.0	27*52	27*52	T / B.S	3.0	30*52	30*52	T / B.S
4.0	27*52	27*52	T / B.S	4.0	30*52	30*52	T / B.S
6.0	30*52	30*52	T / B.S	6.0	35*55	35*55	T / B.S
8.0	35*55	30*52	T / B.S	8.0	45*55	38*55	T / B.S
10	35*55	35*52	T / B.S	10.0	38*100	38*95	T / B.S
20	38*100	38*95	T,S / B.S	20.0	45*100	45*95	T,S / B.S
25.0	45*100	40*94	T,S / B.S	25.0	50*100	50*95	T,S / B.S
30.0	45*100	45*94	T,S / B.S	30.0	54*105	57*95	T,S / B.S
35.0	50*100	50*95	T,S / B.S	35.0	50*120	50*120	T,S / B.S
40.0	50*100	50*95	T,S / B.S	40.0	50*120	50*120	T,S / B.S
45.0	54*105	57*95	T,S / B.S	45.0		54*120	T,S / B.S
50.0	54*105	57*95	T,S / B.S	50.0		54*120	T,S / B.S
60.0	63.5*110	57*95	T,S / B.S`	50.0	50*100*115		S / B.S,C
				60.0	50*110*120		S / B.S.,C

Connectors :

T – Solderable Tag type

S – Screw Type

Mounting:

B.S – Bottom Stud type

C – Clamp Type (on rectangular Metal Boxes only)



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Type : BP4 – 415/440Vac				Type : AP4 – 415/440VAC			
μF	Size in mm		Connector / Mounting	μF	Size in mm		Connector / Mounting
	D x L(can) / WxLxH(Box)				D x L(can) / WxLxH(Box)		
	Aluminium	Plastic			Aluminium	Plastic	
2.0	27*52	27*52	T / B.S	2.0	30*52	30*52	T / B.S
3.0	30*52	30*52	T / B.S	3.0	35*55	35*52	T / B.S
4.0	30*52	30*52	T/ B.S	4.0	35*55	35*52	T/ B.S
6.0	35*52	35*55	T/ B.S	6.0	45*55	38*95	T/ B.S
8.0	45*55	38*55	T / B.S	8.0	38*100	38*95	T/ B.S
10	38*100	38*95	T/B.S	10.0	45*100	45*95	T/B.S
20	45*100	45*95	T,S / B.S	20.0	54*105	57*95	T,S / B.S
25.0	50*100	50*95	T,S / B.S	25.0		57*95	T,S / B.S
30.0	54*105	57*95	T,S / B.S	25.0	50*80*97		S / B.S,C
35.0	50*120	50*120	T,S / B.S	30.0	50*100*115		S / B.S,C
40.0	50*120	50*120	T,S / B.S	36.0	50*100*115		S / B.S,C
45.0		54*120	T,S / B.S	40.0	50*100*115		S / B.S,C
50.0		54*120	T,S / B.S	45.0	50*125*135		S / B.S,C
50.0	50*100*115		S / B.S,C	50.0	50*125*135		S / B.S,C
60.0	50*110*120		S / B.S,C	60.0	50*125*135		S / B.S.,C

Type – AP6 – 600Vac		
μF	Size in mm D*L(can) / W*L*H(box)	Connector / Mounting
0.5	38*60	T,S / B.S
1.0	38*100	T,S / B.S
2.0	38*100	T,S / B.S
3.0	38*100	T,S / B.S
4.0	38*100	T,S / B.S
5.0	45*100	T,S / B.S
6.0	50*120	T,S / B.S
10.0	63.5*110	T,S / B.S
15.0	50*100*115	S / B.S,C
20.0	50*125*135	S / B.S,C
25.0	50*125*135	S / B.S,C
30.0	50*135*145	S / B.S,C