

LOW VOLTAGE ALL POLYPROPYLENE FILMS CAPACITOR – APP SERIES



AB Power APP Capacitor are manufactured using Double Hazy Double Thick polypropylene films as dielectric between two electrodes of thick soft annealed, 99.35% purity of Aluminum foil and have extended foil construction.

Power leads are soldered to the extended portion to make a strong and positive electrical contact which can withstand Heavy inrush and discharge current. Capacitors are impregnated with NPCB, bio-degradable impregnant and are hermetically sealed. Impregnating oil adds to dielectric strength and provides cooling effect.



Advantages

- **Film – Foil Technology** – Very High Reliability
Long Life Expectancy > 1,60,000 Hours
- **Oil Cooled** – Better Cooling
- **High Over Loading Capacity** – Suitable for APFC Panels & Harmonic Filter Banks
- **Sturdy Terminals** – Higher Switching Current Withstand

Applications

- Power Factor Improvement
- Harmonic Filter Banks
- Medium & Large Rating APFC Panels

Technical Data

Power Supply Voltage	400 V - 1000 V
Frequency	50Hz / 60 Hz
Function	Power Factor improvement and harmonic control

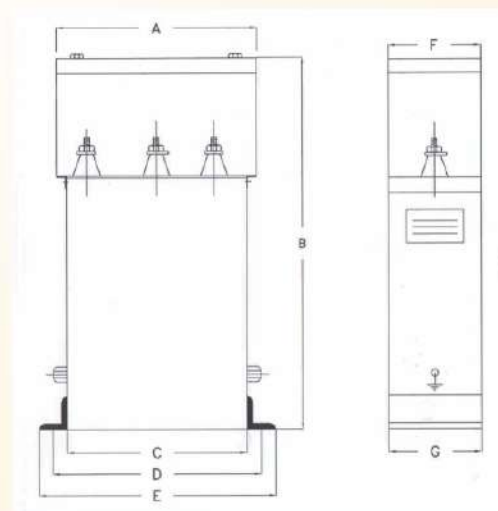
The Ideal Customer

- All industries having harmonic generation
- Company with variable loads

Rating and Specification

Description	APP HD Capacitor
STANDARDS	IS-13585- Part 1 - 2012 IEC 60931 - 1 - 1996
RATED OUTPUT	5 KVAR TO 50 KVAR
RATED VOLTAGE	415 V, 440V
OVER VOLTAGE	1.1 x Rated Voltage
OVER CURRENT	2.0 x Rated Current
RATED FREQUENCY	50Hz
DISCHARGE RESISTER	Externally Fitted
DISCHARGE TIME	60 Sec for 50 V
MAX. CAPACITANCE (0% of rated capacitance) Tolerance	- 0 % to + 10 %
TEST VOLTAGE TERMINAL / CASE	4.3 Un for 10 sec (DC)
Di electric LOSS	<0.2 watts / kvar
PROTECTION	Internal Fuse / External fuse

CAPACITOR KVAR	A	B	C	D	E	F	G
5 KVAR	122	340	115	143	162	70	68
7.5 KVAR	122	340	115	143	165	90	85
10 KVAR	245	235	233	265	290	122	115
12.5 KVAR	245	265	233	265	290	122	115
15 KVAR	245	320	233	265	290	122	115
20 KVAR	245	375	233	265	290	122	115
25 KVAR	245	425	233	265	290	122	115
30 KVAR	245	480	233	265	290	122	115
50 KVAR	310	510	235	265	290	300	225



Other Voltage & KVAR ratings are available on Request.

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