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Company Profile

- Designing and Manufacturing Quality Capacitors and EMI Noise Filters since 1979
- ISO 9001: 2015 & ISO 13485:2016 Certified Company
- Product range includes all types of Dielectric films such as Polyester, Polycarbonate, PPS and Polypropylene
- Preferred manufacturing partner for Indian Railways and Indian Defence
- 100% Indian Management, 100% Made-in-India
- Wide Product range to cater to differed sections like Defence, Railways, Induction heatings, UPS/Inverters, Renewables, Medical Electronics, Power Electronics, Autoelectronics etc
- Best Design and after Sales support
- State of the Art Manufacturing facility located in Mysore, Karnataka, India

ADVANCE CONDUCTION COOLED CAPACITORS

Advance Conduction Cooled Capacitors are designed for high voltage, high current applications such as Resonant power supplies, Induction heating tank circuit etc.

CC-1 Series

CC-1 series Conduction Cooled Capacitors uses copper blocks as terminals

Specifications:

Capacitance	: 0.025 μ F to 65 μ F
Rated Voltage	: upto 1100Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: upto 600 Arms
Working frequency	: upto 1400kHz



AC-1 Series

AC-1 series Conduction Cooled Capacitors uses Aluminum blocks as terminals

Specifications:

Capacitance	: 0.05 μ F to 2.4 μ F
Rated Voltage	: upto 1000Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: upto 600 Arms
Working frequency	: upto 994kHz



CC-2 Series

CC-2 series Water+ Conduction Cooled Capacitors uses copper plates as terminals along with water cooling connections.

Specifications:

Capacitance	: 2.5 μ F to 20 μ F
Rated Voltage	: upto 1200Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: upto 1700 Arms
Working frequency	: upto 39kHz



ADVANCE CONDUCTION COOLED CAPACITORS

CC-3 Series

CC-3 series Conduction Cooled Capacitors are available in Fibre Glass tubes end filled with epoxy resin and copper flange terminals

Specifications:

Capacitance	: 3 μ F to 65 μ F
Rated Voltage	: upto 1200Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: upto 1200 Arms
Working frequency	: upto 30kHz



CC-4 series

CC-4 Conduction Cooled Capacitors are available in Fibre Glass tubes, end filled with UL94-V0 epoxy resin and copper flange terminals with 8 water cooling copper tubes for superior cooling.

Specifications:

Capacitance	: 3 μ F to 45 μ F
Rated Voltage	: upto 1200Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: upto 1000 Arms
Working frequency	: upto 60kHz



CC-5 Series

CC-5 Series Conduction Cooled Capacitors have direct mounting option with flat rectangular electroplated copper plates.

Specifications:

Capacitance	: 0.1 μ F to 80 μ F
Rated Voltage	: upto 1000Vrms
Dielectric	: Metallised Polypropylene Film
Max current	: upto 1400 Arms
Working frequency	: upto 650kHz



CM-5 Series

CM-5 Series Conduction Cooled Capacitors are resin moulded with direct mounting option and used flat square electroplated copper plates as terminals

Specifications:

Capacitance	: 0.33 μ F to 1.2 μ F
Rated Voltage	: upto 1000Vrms
Dielectric	: Metallised Polypropylene Film



ADVANCE DC LINK CAPACITORS

Advance Medium power film capacitors are specifically designed for DC filtering and low reactive power applications.

ADC-LHx series

ADC-LHx series is a brand new range of capacitors in the DC Link Product range. These capacitors are designed with very low ESL (<14nH), Aluminum Housing with integrated Aluminum mounting clamp (Heat-sink plate) for superior thermal conductivity. These are available in both Screw and Flange terminals. This range of capacitors provide very stable performance over a wide range of frequencies.

Specifications:

Capacitance	: 20 μ F to 500 μ F
Rated Voltage	: 500Vdc to 1500Vdc
Dielectric	: Metallised Polypropylene Film
Max RMS Current	: 100 A
Temperature Range	: -40°C to +85°C



ADC-CPx series

ADC-CPx series capacitors available in FR grade plastic case (PBT and Akulon) filled with self-extinguishing FR grade UL94VO resin. Available in both Screw and Flange terminals with integrated bottom clamp for mounting.

Specifications:

Capacitance	: 20 μ F to 200 μ F
Rated Voltage	: 500Vdc to 1800Vdc
Dielectric	: Metallised Polypropylene Film
Max RMS Current	: 100 A
Temperature Range	: -40°C to +85°C



ADC-CPF4 series

ADC-CPF4 series low inductance capacitors available in FR grade PBT case filled with self-extinguishing FR grade UL94VO resin. Available with 4 unique Flange terminals and integrated bottom clamp for mounting with 4 holes to withstand high shock and vibrations.

Specifications:

Capacitance	: 30 μ F to 1600 μ F
Rated Voltage	: 500Vdc to 2400Vdc
Dielectric	: Metallised Polypropylene Film
Max RMS Current	: 410 A
Temperature Range	: -40°C to +105°C



ADVANCE DC LINK CAPACITORS

ADC-CAx Series

ADC-CAx series capacitors available in Aluminum can filled with self-extinguishing FR grade UL94VO resin. Available in both Screw and Flange terminals with bottom stud for mounting

Specifications:

Capacitance	: 100 μ F to 1200 μ F
Rated Voltage	: 400Vdc to 1320Vdc
Dielectric	: Metallised Polypropylene Film
Temperature Range	: -40°C to +85°C



ADC-RPx Series

ADC-RPx series capacitors available in FR grade plastic rectangular box and filled with self-extinguishing FR grade UL94VO resin with 2-pin and 4-pin configuration.

Specifications:

Capacitance	: 1 μ F to 50 μ F
Rated Voltage	: 400Vdc to 1100Vdc
Dielectric	: Metallised Polypropylene Film
Temperature Range	: -40°C to +85°C



ADC-AR Series

ADC-AR series capacitors are axial round capacitor with UL grade plastic case or Polyester wrap tape with Flange terminals

Specifications:

Capacitance	: 5 μ F to 400 μ F
Rated Voltage	: 400Vdc to 800Vdc
Dielectric	: Metallised Polypropylene Film
Temperature Range	: -40°C to +85°C



ADVANCE HIGH VOLTAGE CAPACITORS

Advance High voltage capacitors are designed for wide range of applications such as Energy Storage, Filtering, Bypass, Voltage Multiplier and Coupling. These capacitors are Non-Inductive, Self-healing and are available either in Dry type or Partially oil impregnated construction.

Specifications:

Capacitance	: 0.003 μ F to 10 μ F
Rated Voltage	: 4kVdc to 40KVdc
Tolerance	: \pm 5%, \pm 10%

Case : for Axial terminations

- Fibre Glass tube or Yellow Wrap tape or Plastic can

for Radial terminations

- Metal box or Plastic box

Terminals : Screw with Bush or
Flange with Internal threading
or lead wires or Metal strips



ADVANCE IGBT Snubber Capacitors

Advance IGBT Snubber capacitors are made using internationally accepted series Metallised technology of self-healing property. Metal foil electrodes are used for high peak current capacities. Capacitor elements are non-inductive and encapsulated in a plastic box and potted with epoxy resin for environmental protection.

Dual type DZS Series

DZS series are dual type Capacitors with two elements connected internally in series.

Specifications:

Capacitance : $0.1\mu\text{F} + 0.1\mu\text{F}$ to $2\mu\text{F} + 2\mu\text{F}$
Rated Voltage : upto 2500Vdc, 750Vac, 50Hz
Dielectric : Metallised Polypropylene Film
+ Metal Foil
dv/dt : 1000V/ μS , Max



FKP-6M Series

IGBT Snubber capacitors with provision of mounting directly on IGBT's. Available in two terminals styles SL and RL type

Specifications:

Capacitance : $0.047\mu\text{F}$ to $6.3\mu\text{F}$
Rated Voltage : 700Vdc to 3000Vdc
420Vac to 750Vac, 50Hz
Dielectric : Metallised Polypropylene Film
+ Metal Foil

Terminal style – SL



Terminal Style - RL



FKP-7 Series

Series Film/ Foil snubber capacitors in Axial type (available in Round and Oval shape)

Specifications:

Capacitance : $0.047\mu\text{F}$ to $6.3\mu\text{F}$
Rated Voltage : 700Vdc to 3000Vdc
420Vac to 750Vac, 50Hz
Dielectric : Metallised Polypropylene Film
+ Metal Foil



FKP-6 Series

Series Film/ Foil snubber capacitors in Rectangular Radial box type

Specifications:

Capacitance : $0.047\mu\text{F}$ to $3\mu\text{F}$
Rated Voltage : 700Vdc to 3000Vdc
420Vac to 750Vac, 50Hz
Dielectric : Metallised Polypropylene Film



ADVANCE Axial / Radial Capacitors

Advance Metallised Polyester and Metallised PPS Film Capacitors are available Axial Round, Axial Oval and Radial Box form factors processed as per JSS 50204 specifications. Metallised Polypropylene Capacitors are available in Through-hole Mounting, Chassis and Panel Mounting types as per IS and IEC standards.

General Specifications:

- ◆ Non-polar
- ◆ Non-inductive
- ◆ Self-healing
- ◆ Low-ESR
- ◆ High stability
- ◆ Humidity, shock and vibration proof

Standard Ranges:

Metallised Polyester Film Capacitors

Capacitance Range : 0.001 μ F - 22 μ F
Voltage range : 50V - 20000 Vdc

Metallised Polypropylene Capacitors

Capacitance Range : 0.00047 μ F - 20 μ F
Voltage range : 63V - 30000Vdc & 250V – 1000Vac

High Precision Metallised Polypropylene Capacitors

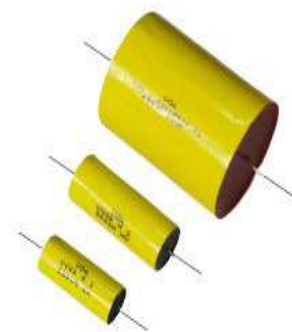
Capacitance Range : 100pf to 412nf
Tolerance : $\pm 1\%$
Voltage : 63Vdc/40Vac

Metallised Polycarbonate & PPS Capacitor

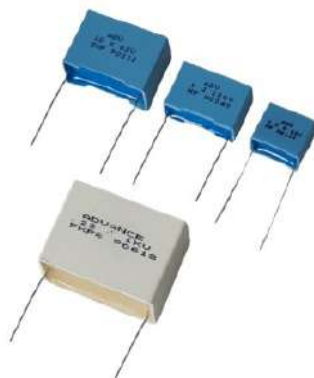
Capacitance Range : 0.01 μ F - 10 μ F
Voltage range : 63V - 250Vdc

Form Factors:

Axial Round type



Radial Box type



Axial Flat (Oval) type



ADVANCE EMI FILTERS

Advance RFI/EMI filters are used to reduce or to eliminate the unwanted RFI noise from entering or leaving the equipment. The ability of a filter to eliminate the noise is measured in terms of Insertion Loss (in dB) over a frequency spectrum. The RFI filters are used in Office Equipment, Communication Equipment, Instruments, Medical Instruments, SMPS, Computer peripherals, Thyristor Drives and Defence equipment.

Specifications:

Single Phase EMI Noise Filters

- Rated Voltage: 200-250Vac 50/60Hz
- Rated Current @25°C : 1A to 400A

Three Phase EMI Noise Filter

- Rated Voltage: 415-440Vac 50/60Hz
- Rated Current @25°C : 2A to 200A

Frequency range: Upto 1GHz



ADVANCE AUTO-ELECTRIC RFI CAPACITORS

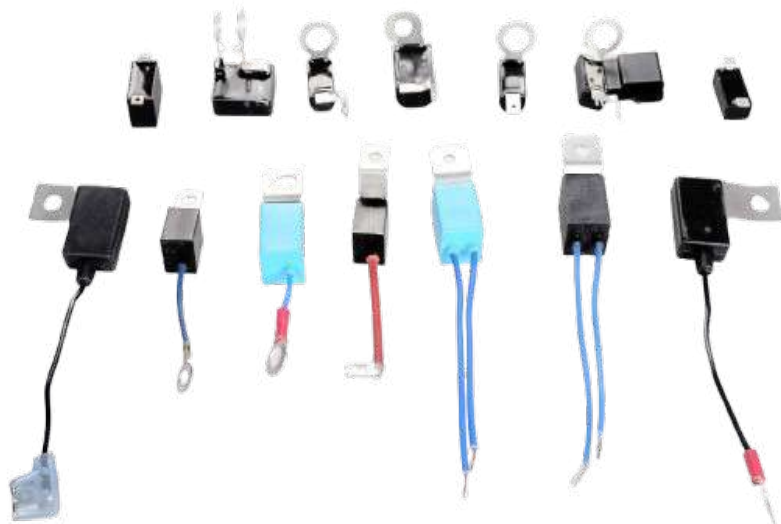
Advance RFI Capacitors are custom designed Metallised Polyester Film Capacitor for Auto-electric application.

Specifications:

Capacitance : 0.5 μ F to 3.3 μ F

Rated Voltage: 50Vdc to 250V

Tolerance : $\pm 10\%$



ADVANCE Feedthrough Capacitors & Filters

Feed through Capacitors and Filters are used to reduce the unwanted RFI/EMI noise from entering and leaving the equipment. Advance is the leading manufacturers of FeedThrough capacitors in India with Defense , Space and Telecommunication application customers in India and across the world.

Specifications:

Capacitance : 0.001 μ F to 10 μ F
Voltage range : 63V – 1000Vdc , up to 440Vac 400Hz
Current ratings : 1A to 3000A
High frequency suppression up to 2GHz



Advance Power (AC & DC Voltage) Capacitors

Advance Metallised Polypropylene film Capacitors are ideally suitable for most AC applications. The excellent self-healing property of the polypropylene film matched by Advance construction techniques used, lead to capacitors with extremely low internal losses and a long life.

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

Capacitance : 0.5 μ F to 200 μ F

Tolerance : \pm 5%, \pm 10%

Terminals: Screw /Tag /Wire / Flange

Mounting : Optional (Clamp or Stud)

Tan Delta : <0.001 at 1 kHz

Climatic Category : 55/85/56

Rated Voltage: 250Vac to 3000Vac, 50Hz

Casing : Aluminum or Plastic or CRCA Metal

Shapes : Round /Oval /Rectangular /Square

Temperature Range : -40 °C to +85 °C

Insulation Resistance : 10,000 Mohm* μ F



Advance Railway Capacitors

Advance is a leading supplier of capacitors to Indian Railways since a few decades. Some of the capacitors have RDSO approvals. We manufacture a wide range of Capacitance/ Voltage and form factors to suite all railway applications.



