

ALUMINIUM ELECTROLYTIC MOTOR START CAPACITOR



Feature

- ◆ Made with high purity etched and formed aluminium electrolytic foil.
- ◆ Minimal power factor leading to much higher reliability.
- ◆ Available in required tolerances.
- ◆ Very low power loss leads to high power efficiency and long life.

Application

- ◆ Domestic motors and pumps, Submersible pumps, Fans, Air conditioners, Washing machine etc.

Technical Specifications

Series	1. MS Series: Single Can Construction with green colour sleeve 2. MD Series: Double can construction with outer Aluminium can
Type	Aluminium Electrolytic Motor Start Capacitor
Reference Standard	IS 2993/ IEC 252
Operating Temperature	-30°C to +70°C
Working Voltage	1. 110V AC Single Phase 50/60Hz (150 V AC Surge) 2. 230V AC Single Phase 50/60Hz (275 V AC Surge) 3. 330V AC Single Phase 50/60Hz (400 V AC Surge)
Capacitance Range	20µF to 280µF
Power Factor	Power factor shall not exceed 8% at rated voltage and frequency
Duty Cycle	1.7%

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MPP MOTOR RUN RECTANGULAR CAPACITOR



Feature

- ◆ Made with self-healing Metallised Film
- ◆ Designed with most modern technology for compact application
- ◆ Can operate with same efficiency at varied temperatures
- ◆ Low internal power losses & high insulation resistance
- ◆ Largest manufacturer & supplier of fan capacitor in India
- ◆ Manufacturing about 40,000 pieces per day

Application

- ◆ Table Fans, Pedestal Fans, Wall Fans, Exhaust Fans Industrial Fans & Blowers, Air Coolers etc.

Technical Specifications

Type	Metalized polypropylene film Capacitors with self-healing property
Capacitance range	1µF to 12µF
Capacitance tolerance	±5% standard
Rated voltage	440 Vac
Operating temperature range	-25°C to +85°C
Dissipation factor	≤0.4% at room temperature
Rated frequency	50 Hz
Safety class	P0
Withstand voltage between terminals to case	2000Vac/ 60Sec
Withstand voltage between terminal to terminal	2 x Rated voltage/ 60Sec.
Reference standard	IS 1709:1984

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NEW LAUNCH

SUPERCAPACITOR



INDIA'S FIRST SUPERCAPACITOR PRODUCTION FACILITY

Features

- ◆ Based on activated Carbon technology which creates a very large double layer surface area with extremely small separation between layers.
- ◆ Used with or as alternative to batteries.
- ◆ Can be very quickly charged and discharged.
- ◆ 500000 charge/ discharge cycles or more/long life cycle.
- ◆ Low ESR ◆ High power density. ◆ Large capacitance for high energy density.

Applications

Industrial

Automobiles, Fork Lifts, Cranes, Fuel Cell Systems, UPS Systems, Power Tools, Smart Meters, Network Communications, Smart Appliances, Robotics

Transportation

Battery propelled EVS, TRAMS, Hybrid Electric Vehicles, Engine Starting, Regenerative Braking, Fuel Cell Vehicle Support.

Green Energy

Wind Turbines, Solar Turbines, Smart Grid Solar Panels, Wave Energy Converters.

Medical

Motor Driven Diagnostics

Technical Specification

Type	Activated Carbon based electrical double layer capacitor
Capacitor Range	5F to 1000F
Voltage	2.5/2.7V
Operating temperature	-40°C to +65°C for 2.5V -40°C to +55°C for 2.7V
Capacitor Bank	As per customer requirement

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METALLIZED POLYPROPYLENE MOTOR RUN CAPACITOR



Feature

- ◆ Metallized Polypropylene (MPP) Capacitors are film capacitors.
- ◆ Made out of two Al-Zn metallised films with plastic film acting as dielectric.
- ◆ Manufactured under dust-free, climatically controlled conditions
- ◆ Have self-healing properties, high insulation resistance and low dissipation factor.

Application

- ◆ Domestic motors and pumps, Submersible pumps, Fans, Air conditioners, Washing machine etc.

Technical Specifications

Series	1. PRW/ PPW Series: Plastic Can 2. PTS/ PTU Series: Plastic Can 3. ARW Series: Aluminium Can 4. PRW/ PPW Series: Plastic Can-Special Type
Type	Metallized Polypropylene-Self Healing Motor Run Capacitor (MPP)
Reference Standard	IS 2993:1998, IS 1709
Operating Temperature	-25°C to +85°C
Capacitance Range	2 μ F to 72 μ F
Working Voltage	440V AC
Working Frequency	50/ 60 Hz
Capacitance Tolerance	\pm 5%

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HIGH - CV ALUMINIUM ELECTROLYTIC CAPACITOR



Feature

- ◆ Made with high purity etched and formed aluminium electrolytic foil.
- ◆ Higher capacitance to dimensions ratio
- ◆ Available in different series according to the lead type, applications, temperature range, endurance hours, etc.
- ◆ Availability comprehensive Datasheets
- ◆ Reliable Performance

Application

- ◆ Power Supplies, Telecommunication Systems, Audio Systems, Railways, Industrial application & Entertainment Electronic Systems.

Technical Specifications

Series	MB, NB, LB : Snap-In terminal
	ML,NL : Lug Terminal
	MP, NP : Screw Terminal
Type	Aluminium Electrolytic Capacitors
Reference Standard	IS4317/ IEC 384-4
Working Voltage	16 V to 450 V DC
Operating temperature	- 40 to +105°C
Capacitance Range	47µF to 100000µF

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ALUMINIUM ELECTROLYTIC CAPACITORS

Feature

- ◆ Made with high purity etched and formed aluminium electrolytic foil.
- ◆ Higher capacitance to dimensions ratio
- ◆ Available in different series according to the applications, temperature range, endurance hours, etc.
- ◆ Special series available for long life category
- ◆ Availability comprehensive Datasheets ◆ Reliable Performance



Application

- ◆ Consumer Electronics, Power supplies, Automobile Electronic circuits, Industrial application & Defense applications.

Technical Specifications

Series

- ◆ SA series, SD series: General purpose radial type for consumer electronics market
- ◆ SE series: radial type high temperature category +105°C, for use in switched mode power supplies, automobile electronic circuits and industrial equipments.
- ◆ SN series: miniature radial nonpolar type for audio signal circuits.
- ◆ SZ series: radial lead type with low ESR.
- ◆ SH series: nonpolar radial lead type for horizontal deflection equalization, in tv receivers & video monitor displays.
- ◆ SG series: radial type-high temperature category +105°C, long life category capacitors for use in SMPS, automobile electronic circuits, industrial equipments, lighting system etc.
- ◆ SL series: radial type-high temperature category +105°C, very long life category capacitors. For use in SMPS, automobile electronic circuits, industrial equipments, lighting system etc.
- ◆ SB series: professional grade long life radial lead type for defence

Type	Aluminium Electrolytic Capacitors
Reference Standard	IS4317/ IEC 384-4
Working Voltage	6.3 V to 450 V DC
Operating temperature	- 40 to +125°C
Capacitance Range	0.1µF to 22000µF

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