

Datasheet

RS MRP440 4μF Polypropylene Film Capacitor 440 V ac ±10%, Screw Mount 30mm

RS Stock 196-4539



Specifications

- These metallised polypropylene capacitors are particularly suited for AC voltages.
- This range of metallised polypropylene film capacitors offer excellent self healing properties
- They are designed for permanent connection in the auxiliary windings of single phase induction motors.
- They are also suitable for use with star connected three phase motors operating on a single phase supply.
- Typical conditions for this range of capacitors include domestic appliances pumps and office machinery.

Nominal Operating Voltage	440 V AC
Nominal Frequency	50/60Hz
Capacitance Range	1-30μF
Capacitance Tolerance	± 10%
Operating Temperature Range	-25°C to +85°C
Climatic Category	25/85/21
Dissipation Factor (tan)	< 0.0015 Typical at 1kHz
Between Terminals	1.5 x working voltage
Termination to can	2000 V AC

Ripple Current

$$I_{MAX} = \sqrt{\frac{P_{MAX}}{ESR}}$$

I_{MAX} = Maximum allowable rms value of ripple current (amps)
 P_{MAX} = Maximum power that a capacitor can dissipate (watts)
 ESR = Equivalent series resistance (ohms)