

Data Sheet

Product Type PPR500-254

Description

This capacitor features in a robust, polypropylene enclosure. Internally, it utilizes a mixed dielectric system composed of polyester film interleaved with Kraft capacitor tissue. The dielectric materials are thoroughly dried and impregnated with purified, inhibited mineral oil, enhancing electrical performance and long-term stability.

The combination of polyester and Kraft tissue provides excellent dielectric strength and mechanical integrity, while the mineral oil improves insulation, reduces dielectric losses, and protects against moisture and oxidation. This construction ensures reliable operation in demanding environments, making it suitable for high-voltage applications where durability and precision are critical.

Terminations

Two M10 threaded insert bushings

Capacitance

0.25uF \pm 10%

Voltage Rating

50kV dc working

Test Voltage

75kV dc terminal to terminal

Insulation Resistance

Greater than 4.4×10^4 M Ω

Power factor

Less than 0.005 measured at 20°C at 1 kHz

Operating Temp Range

-40°C to +85°C

Life Expectancy

50,000 hrs @ 65°C

Mounting position

Any

Weight

5.75kg

Dimensions in mm

