

Datasheet

RS 10nF $\pm 2.5\%$ 160V dc Through Hole 15mm

RS Stock number [113-409](#)



| Voltage | Capacity | Length | Diameter |
|---------|-----------------|--------|----------|
| 30V | 25-1,000 | 8.0 | 4.0 |
| | 1,001-2,000 | 8.0 | 4.5 |
| | 2,001-3,000 | 8.0 | 5.0 |
| | 3,001-5,000 | 10.0 | 4.5 |
| | 5,001-7,500 | 10.0 | 6.5 |
| | 7,501-30,000 | 15.0 | 9.0 |
| | 30,001-50,000 | 20.0 | 10.0 |
| | 50,001-100,000 | 30.0 | 11.0 |
| | 100,001-200,000 | 30.0 | 15.0 |
| 63V | 25-500 | 8.0 | 4.0 |
| | 501-750 | 8.0 | 5.0 |
| | 751-1,000 | 8.0 | 5.5 |
| | 1,001-2,200 | 10.0 | 6.0 |
| | 2,201-5,000 | 10.0 | 6.0 |
| | 5,001-6,800 | 10.0 | 7.0 |
| | 6,801-10,000 | 15.0 | 8.0 |
| | 10,001-15,000 | 15.0 | 10.0 |
| | 15,001-40,000 | 20.0 | 15.0 |
| | 40,001-100,000 | 30.0 | 15.0 |
| 160V | 25-250 | 8.0 | 4.0 |
| | 251-500 | 8.0 | 5.0 |
| | 501-1,000 | 10.0 | 6.0 |
| | 1,001-4,000 | 10.0 | 8.0 |
| | 4,001-7,500 | 15.0 | 9.5 |
| | 7,501-40,000 | 20.0 | 15.0 |
| | 40,001-100,000 | 30.0 | 18.0 |
| 400V | 25-100 | 8.0 | 4.0 |
| | 101-470 | 10.0 | 6.0 |
| | 471-1,000 | 10.0 | 8.0 |
| | 1,001-2,200 | 10.0 | 9.0 |
| | 2,201-5,000 | 15.0 | 12.0 |
| | 5,001-15,000 | 20.0 | 15.0 |
| | 15,001-50,000 | 30.0 | 20.0 |
| | 50,001-100,000 | 40.0 | 30.0 |
| 630V | 25-100 | 10.0 | 5.0 |
| | 101-250 | 10.0 | 6.0 |
| | 251-1,000 | 10.0 | 9.0 |
| | 1,001-3,000 | 15.0 | 10.0 |
| | 3,001-7,500 | 20.0 | 14.0 |
| | 7,501-40,000 | 30.0 | 23.0 |
| | 40,001-100,000 | 44.0 | 25.0 |



Specifications

Polystyrene is a superior dielectric material with exceptionally high insulation resistance and low loss.

Aluminium foil electrodes are used and terminal wires are welded to them to ensure satisfactory performance at low voltage and high frequency.

LCR Polystyrene Film Capacitors offer:

- Low temperature coefficient
- Close capacitance tolerance
- Extreme capacitance stability
- Low power factor
- High Q
- High insulation resistance
- Small physical size

LCR polystyrene film capacitors are recommended for use in transformers, tuned circuits, pulse networks, laboratory standards, timing circuits, analogue and digital computing circuits and many other applications where superior qualities are used to advantage.

Marking

Wherever possible capacitance tolerance and working voltage are clearly indicated by black digital lettering, but on small components a letter code is used for tolerance.