

**KEMET Part Number: PHE448SB3150JR06**  
(F448BD151J2K0C)

PHE448/F448, Film, Film/Foil Polypropylene, General Purpose, 150 pF, 5%, 2000 VDC, 85°C, Lead Spacing = 15mm



| Dimensions |                 |
|------------|-----------------|
| L          | 18mm MAX        |
| H          | 10.5mm MAX      |
| T          | 5.5mm MAX       |
| S          | 15mm +/-0.4mm   |
| LL         | 6mm -1mm        |
| F          | 0.8mm +/-0.05mm |
| G          | 0.5mm NOM       |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging:               | Bulk, Bag |
| Packaging Quantity:      | 1000      |

| General Information |   |
|---------------------|---|
| Supplier:           | KEMET   |
| Series:             | PHE448/F448   |
| Dielectric:         | Film/Foil Polypropylene   |
| Style:              | Radial  |
| Features:           | Pulse   |
| RoHS:               | Yes   |
| Lead:               | Wire Leads  |
| AEC-Q200:           | No  |
| Miscellaneous:      | Rthha= 87 C/W (85C), 0.2 m/s  |
| Notes:              | Not For New Design, Please Check Possible Alternative Parts (AltPart) |

| Specifications         |                                       |
|------------------------|---------------------------------------|
| Capacitance:           | 150 pF                                |
| Capacitance Tolerance: | 5%                                    |
| Voltage AC:            | 700 VAC                               |
| Voltage DC:            | 2000 VDC, 1480 VDC (105C)             |
| Temperature Range:     | -55/+105°C                            |
| Rated Temperature:     | 85°C                                  |
| Dissipation Factor:    | 0.03% 1kHz, 0.05% 10kHz, 0.10% 100kHz |
| Insulation Resistance: | 200 GOhms                             |
| Max dV/dt:             | 25000 V/us                            |
| Inductance:            | 6 nH                                  |