

**KEMET Part Number: PHE450MB5470JR06**  
(F450BJ473J630C)

Capacitor, Film, Double Metallized Polypropylene, 0.047 uF, +/-5% Tol, -55/+105C, General Purpose, 630 VDC@85C, Lead Spacing=15 mm



| Dimensions (mm) |           |           |
|-----------------|-----------|-----------|
| Symbol          | Dimension | Tolerance |
| L               | 18        | MAX       |
| H               | 12.5      | MAX       |
| T               | 6.5       | MAX       |
| S               | 15        | +/-0.4    |
| LL              | 6         | -1        |
| G               | 0.5       | NOM       |
| F               | 0.8       | +/-0.05   |

| Packaging Specifications |      |
|--------------------------|------|
| Package Kind:            | Bulk |
| Package Quantity:        | 1000 |

| General Information |                                 |
|---------------------|---------------------------------|
| Supplier:           | KEMET                           |
| Dielectric:         | Double Metallized Polypropylene |
| Application:        | General Purpose                 |
| Sub Application:    | DC or AC applications           |
| Style:              | Radial Box                      |
| Lead Form:          | Wire Leads                      |
| Features:           | Pulse                           |
| RoHS:               | Yes                             |

| Specifications               |   |
|------------------------------|---|
| Capacitance:                 | 0.047 uF  |
| Voltage:                     | 630 VDC   |
| Tolerance:                   | +/-5%   |
| Voltage AC:                  | 400 VAC   |
| Voltage:                     | 466.2 VDC (105C)  |
| Rated Temperature:           | 85C   |
| Temperature Range:           | -55/+105C   |
| Dissipation Factor @ 1 kHz:  | 0.03%   |
| Dissipation Factor @ 10 kHz: | 0.04%   |
| Dissipation Factor @ 100kHz: | 0.15%   |
| Insulation Resistance:       | 638.3 GOhm  |
| Inductance:                  | 6   |
| Maximum dVdT:                | 2500 v/us   |
| Miscellaneous:               | The Rated Voltage Decreases 1.3%/C Between +85C And +105C |
| Miscellaneous:               | Rthha= 85 C/W (85C), 0.2 m/s                              |