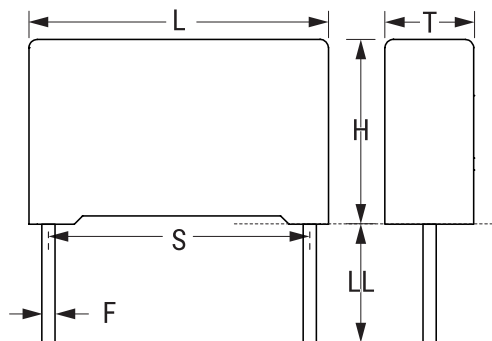


**KEMET Part Number: R76PF168050H0J**  
(76PF168050H0J)

R76H, Film, Double Metallized Polypropylene, Automotive Grade, 6800 pF, 5%, 630 VDC, 105°C, Lead Spacing = 10mm



#### Dimensions

| Dimension | Value            |
|-----------|------------------|
| L         | 13mm +0.2/-0.5mm |
| H         | 9mm +0.1/-0.5mm  |
| T         | 4mm +0.2/-0.5mm  |
| S         | 10mm +/-0.4mm    |
| LL        | 25mm +2/-1mm     |
| F         | 0.6mm +/-0.05mm  |

#### Packaging Specifications

|                            |           |
|----------------------------|-----------|
| <b>Packaging:</b>          | Bulk, Bag |
| <b>Packaging Quantity:</b> | 1800      |

#### General Information

|                        |                                 |
|------------------------|---------------------------------|
| <b>Series:</b>         | R76H                            |
| <b>Dielectric:</b>     | Double Metallized Polypropylene |
| <b>Style:</b>          | Radial                          |
| <b>Features:</b>       | Automotive Grade, Pulse         |
| <b>RoHS:</b>           | Yes                             |
| <b>Lead:</b>           | Wire Leads                      |
| <b>Qualifications:</b> | AEC-Q200                        |
| <b>AEC-Q200:</b>       | Yes                             |

#### Specifications

|                               |   |
|-------------------------------|---|
| <b>Capacitance:</b>           | 6800 pF                                 |
| <b>Capacitance Tolerance:</b> | 5%                                      |
| <b>Voltage AC:</b>            | 400 VAC                                 |
| <b>Voltage DC:</b>            | 630 VDC                                 |
| <b>Temperature Range:</b>     | -55/+125°C                              |
| <b>Rated Temperature:</b>     | 105°C                                   |
| <b>Dissipation Factor:</b>    | 0.03% 1kHz, 0.04% 10kHz, 0.1% 100kHz    |
| <b>Insulation Resistance:</b> | 100 GOhms                               |
| <b>Max dV/dt:</b>             | 4000 V/us                               |
| <b>Resistance:</b>            | 93.6 mOhms (100kHz)                     |
| <b>Ripple Current:</b>        | 1.45 Amps (100kHz 100C), 27 Amps (Peak) |
| <b>Inductance:</b>            | 9 nH                                    |