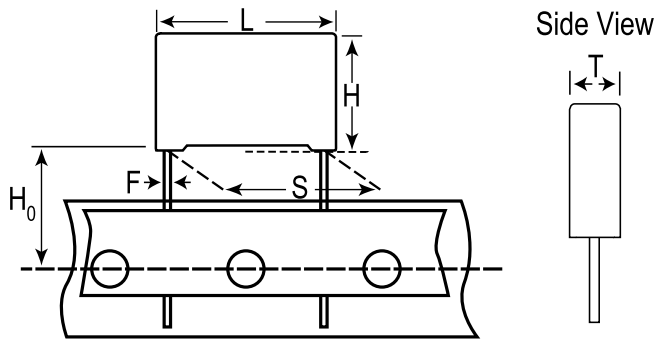


## R76PI2470CK70K

Aliases (76PI2470CK70K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.047 uF, 10%, 630 VDC, 85°C, 15 mm



Click [here](#) for the 3D model.

### General Information

|                |                                 |
|----------------|---------------------------------|
| Series         | R76                             |
| Dielectric     | Double Metallized Polypropylene |
| Style          | Radial                          |
| Features       | Automotive Grade, Pulse         |
| RoHS           | Yes                             |
| Termination    | Tinned Wire                     |
| Lead           | Wire Leads                      |
| Qualifications | AEC-Q200                        |
| AEC-Q200       | Yes                             |

### Specifications

|                       |                                        |
|-----------------------|----------------------------------------|
| Capacitance           | 0.047 uF                               |
| Tolerance             | 10%                                    |
| Voltage DC            | 630 VDC                                |
| Voltage AC            | 400 VAC                                |
| Temperature Range     | -55/+110°C                             |
| Rated Temperature     | 85°C                                   |
| Dissipation Factor    | 0.03% 1kHz, 0.04% 10kHz, 0.1% 100kHz   |
| Insulation Resistance | 100 GOhms                              |
| Max dV/dt             | 3,000 V/us                             |
| ESR                   | 13.55 mOhms (100kHz)                   |
| Ripple Current        | 5.5 Amps (100kHz 85C), 141 Amps (Peak) |
| Inductance            | 10 nH                                  |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 18mm +/-0.5mm      |
| H  | 12.5mm +0.1/-0.5mm |
| T  | 9mm +0.2/-0.5mm    |
| S  | 15mm +/-0.4mm      |
| H0 | 18.5mm +/-0.5mm    |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, Large |
| Packaging Quantity | 650        |

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