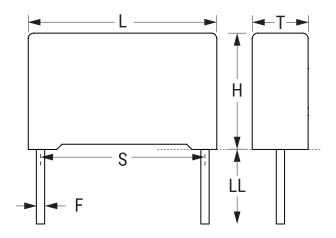


## R76PI31005050J

Aliases (76PI31005050J) R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.1 uF, 5%, 630 VDC, 85°C, 15 mm



Click here for the 3D model.

| Dimensions |                    |
|------------|--------------------|
| L          | 18mm +0.5/-0.5mm   |
| н          | 14.5mm +0.1/-0.5mm |
| Т          | 8.5mm +0.2/-0.5mm  |
| S          | 15mm +/-0.4mm      |
| LL         | 25mm +2/-1mm       |
| F          | 0.8mm +/-0.05mm    |

## **Packaging Specifications**

Packaging Quantity 500

| General Information      |                                    |
|--------------------------|------------------------------------|
| Series                   | R76                                |
| Dielectric               | Double Metallized<br>Polypropylene |
| Style                    | Radial                             |
| Features                 | Automotive Grade, Pulse            |
| RoHS                     | Yes                                |
| Termination              | Tinned Wire                        |
| Lead                     | Wire Leads                         |
| Qualifications           | AEC-Q200                           |
| AEC-Q200                 | Yes                                |
| Typical Component Weight | 3.07 g                             |

| Specifications        |   |
|-----------------------|---|
| Capacitance           | 0.1 uF                                    |
| Tolerance             | 5%  |
| 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%<br>100kHz   |
| Insulation Resistance | 100 GOhms                                 |
| Max dV/dt             | 3,000 V/us                                |
| ESR                   | 11.14 mOhms (100kHz)                      |
| Ripple Current        | 6.1 Amps (100kHz 85C), 300<br>Amps (Peak) |
| Inductance            | 10 nH                                     |

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