

## R76QN31004030K

Aliases (76QN31004030K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.1  $\mu$ F, 10%, 1,000 VDC, 85°C, 22.5 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                             |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 18.5mm +0.1/-0.5mm |
| T  | 10mm +0.2/-0.5mm   |
| S  | 22.5mm +/-0.4mm    |
| LL | 30mm +5mm          |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 300       |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 0.1 $\mu$ F                            |
| Tolerance             | 10%                                    |
| Voltage DC            | 1000 VDC                               |
| Voltage AC            | 600 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             | 2,100 V/us                             |
| ESR                   | 11.14 mOhms (100kHz)                   |
| Ripple Current        | 7.1 Amps (100kHz 85C), 210 Amps (Peak) |
| Inductance            | 16 nH                                  |

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