

## R76QI21004030K

## Aliases (76QI21004030K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.01 uF, 10%, 1000 VDC, 85°C, Lead Spacing = 15mm



Click here for the 3D model.

| Dimensions | ,                |
|------------|------------------|
| L          | 18mm +0.3/-0.5mm |
| н          | 11mm +0.1/-0.5mm |
| т          | 5mm +0.2/-0.5mm  |
| S          | 15mm +/-0.4mm    |
| LL         | 30mm +5mm        |
| F          | 0.8mm +/-0.05mm  |

## Packaging Specifications

| Packaging          | Bulk, Bag |
|--------------------|-----------|
| Packaging Quantity | 1000      |

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

| Specifications            |                                       |
|---------------------------|---------------------------------------|
| Capacitance               | 0.01 uF                               |
| Capacitance Tolerance     | 10%                                   |
| Voltage AC                | 600 VAC                               |
| Voltage DC                | 1000 VDC                              |
| Temperature Range         | -55/+110°C                            |
| Rated Temperature         | 85°C                                  |
| <b>Dissipation Factor</b> | 0.03% 1kHz, 0.04% 10kHz, 0.1% 100kHz  |
| Insulation Resistance     | 100 GOhms                             |
| Max dV/dt                 | 3500 V/us                             |
| Resistance                | 63.66 mOhms (100kHz)                  |
| Ripple Current            | 2.3 Amps (100kHz 85C), 35 Amps (Peak) |
| Inductance                | 10 nH                                 |

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