

## R76QI2270JE40K

## Aliases (76QI2270JE40K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.027 uF, 10%, 1000 VDC, 85°C, Lead Spacing = 15mm



Click here for the 3D model.

| Dimensions |                    |
|------------|--------------------|
| L          | 18mm +/-0.5mm      |
| н          | 13.5mm +0.1/-0.5mm |
| т          | 7.5mm +0.2/-0.5mm  |
| S          | 15mm +/-0.4mm      |
| LL         | 4mm +0.5mm         |
| 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                | Cut                             |
| Qualifications      | AEC-Q200                        |
| AEC-Q200            | Yes                             |
| Component Weight    | 2.4 g                           |

| Specifications            |                                       |
|---------------------------|---------------------------------------|
| Capacitance               | 0.027 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                | 23.58 mOhms (100kHz)                  |
| Ripple Current            | 4.1 Amps (100kHz 85C), 95 Amps (Peak) |
| Inductance                | 10 nH                                 |

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