

## R76QI2390JH40K

Aliases (76QI2390JH40K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.039 uF, 10%, 1000 VDC, 85°C, Lead Spacing = 15mm



Click here for the 3D model.

| Dimensions |                    |
|------------|--------------------|
| L          | 18mm +/-0.5mm      |
| Н          | 14.5mm +0.1/-0.5mm |
| Т          | 8.5mm +0.2/-0.5mm  |
| S          | 15mm +/-0.4mm      |
| LL         | 3.2mm +0.3/-0.2mm  |
| 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                             |  |

| Specifications        |  |  |
|-----------------------|--|--|
| Capacitance           | 0.039 uF                               |  |
| Capacitance Tolerance | 10%                                    |  |
| Voltage AC            | 600 VAC                                |  |
| Voltage DC            | 1000 VDC                               |  |
| 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             | 3500 V/us                              |  |
| Resistance            | 16.32 mOhms (100kHz)                   |  |
| Ripple Current        | 5.1 Amps (100kHz 85C), 137 Amps (Peak) |  |
| Inductance            | 10 nH                                  |  |

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