

## R75PD1680JH40J

Aliases (75PD1680JH40J)

R75, Film, Metallized Polypropylene, Automotive Grade, 6800 pF, 5%, 630 VDC, 85°C, Lead Spacing = 7.5mm



Click here for the 3D model.

| Dimensions |                   |
|------------|-------------------|
| L          | 10mm +0.2/-0.5mm  |
| Н          | 9mm +0.1/-0.5mm   |
| Т          | 4mm +0.1/-0.5mm   |
| S          | 7.5mm +/-0.4mm    |
| LL         | 3.2mm +0.3/-0.2mm |
| F          | 0.5mm +/-0.05mm   |

| Packaging Specifications |      |  |
|--------------------------|------|--|
| Packaging                | Bulk |  |
| Packaging Quantity       | 2000 |  |

| General Information |  |  |
|---------------------|--|--|
| Series              | R75  |  |
| Dielectric          | Metallized Polypropylene                         |  |
| Style               | Radial   |  |
| Features            | Automotive Grade, Pulse                          |  |
| RoHS                | Yes  |  |
| Lead                | Cut  |  |
| Qualifications      | AEC-Q200   |  |
| AEC-Q200            | Yes  |  |
| Miscellaneous       | Above 85C DC And AC Voltage Derating Is 1.25%/C. |  |

| Specifications        |  |  |
|-----------------------|--|--|
| Capacitance           | 6800 pF                                |  |
| Capacitance Tolerance | 5%                                     |  |
| Voltage AC            | 250 VAC                                |  |
| Voltage DC            | 630 VDC                                |  |
| Temperature Range     | -55/+105°C                             |  |
| Rated Temperature     | 85°C                                   |  |
| Dissipation Factor    | 0.04% 1kHz, 0.06% 10kHz, 0.25% 100kHz  |  |
| Insulation Resistance | 100 GOhms                              |  |
| Max dV/dt             | 2400 V/us                              |  |
| Resistance            | 117 mOhms (100kHz)                     |  |
| Ripple Current        | 1.07 Amps (100kHz 85C), 16 Amps (Peak) |  |
| Inductance            | 8 nH                                   |  |

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