

## R76MD1820JE40K

Aliases (76MD1820JE40K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 8200 pF, 10%, 400 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         | 4mm +0.5mm       |
| F          | 0.6mm +/-0.05mm  |

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

| 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           | 8200 pF                               |  |  |
| Capacitance Tolerance | 10%                                   |  |  |
| Voltage AC            | 250 VAC                               |  |  |
| Voltage DC            | 400 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             | 1700 V/us                             |  |  |
| Resistance            | 77.64 mOhms (100kHz)                  |  |  |
| Ripple Current        | 1.3 Amps (100kHz 85C), 14 Amps (Peak) |  |  |
| Inductance            | 8 nH                                  |  |  |

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