

## R75PD1820DQ40K

Aliases (75PD1820DQ40K)

R75, Film, Metallized Polypropylene, Automotive Grade, 8200 pF, 10%, 630 VDC, 85°C, Lead Spacing = 7.5mm



Click [here](#) for the 3D model.

### Dimensions

|    |                  |
|----|------------------|
| L  | 10mm +0.2/-0.5mm |
| H  | 9mm +0.1/-0.5mm  |
| T  | 4mm +0.1/-0.5mm  |
| S  | 7.5mm +/-0.4mm   |
| H0 | 18.5mm +/-0.5mm  |
| F  | 0.5mm +/-0.05mm  |

### Packaging Specifications

|                    |                         |
|--------------------|-------------------------|
| Packaging          | Ammo, 360x340x59mm, Box |
| Packaging Quantity | 2100                    |

### General Information

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

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 8200 pF                                |
| Capacitance Tolerance | 10%                                    |
| 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            | 97 mOhms (100kHz)                      |
| Ripple Current        | 1.29 Amps (100kHz 85C), 20 Amps (Peak) |
| Inductance            | 8 nH                                   |