

## R75QD1470DQ30J

Aliases (75QD1470DQ30J)

R75, Film, Metallized Polypropylene, Automotive Grade, 4,700 pF, 5%, 1,000 VDC, 85°C, 7.5 mm



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

### General Information

|                          |  |
|--------------------------|--|
| Series                   | R75  |
| Dielectric               | Metallized Polypropylene                         |
| Style                    | Radial   |
| Features                 | Automotive Grade, Pulse                          |
| RoHS                     | Yes  |
| Termination              | Tinned Wire                                      |
| Lead                     | Wire Leads                                       |
| Qualifications           | AEC-Q200   |
| Typical Component Weight | 0.733 g  |
| Miscellaneous            | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 10mm +0.2/-0.5mm   |
| H  | 10.5mm +0.1/-0.5mm |
| T  | 5mm +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 | 1600                    |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 4,700 pF                               |
| Tolerance             | 5%                                     |
| Voltage DC            | 1000 VDC                               |
| Voltage AC            | 400 VAC                                |
| 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             | 4,000 V/us                             |
| ESR                   | 169.3 mOhms (100kHz)                   |
| Ripple Current        | 1.18 Amps (100kHz 85C), 19 Amps (Peak) |
| Inductance            | 8 nH                                   |

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