

## R76PI2270DQ30J

Aliases (76PI2270DQ30J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.027 uF, 5%, 630 VDC, 85°C, 15 mm



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

### General Information

|                          |                                 |
|--------------------------|---------------------------------|
| Series                   | R76                             |
| Dielectric               | Double Metallized Polypropylene |
| Style                    | Radial                          |
| Features                 | Automotive Grade, Pulse         |
| RoHS                     | Yes                             |
| Termination              | Tinned Wire                     |
| Lead                     | Wire Leads                      |
| Qualifications           | AEC-Q200                        |
| AEC-Q200                 | Yes                             |
| Typical Component Weight | 1.625 g                         |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 0.027 uF                               |
| Tolerance             | 5%                                     |
| Voltage DC            | 630 VDC                                |
| Voltage AC            | 400 VAC                                |
| 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             | 3,000 V/us                             |
| ESR                   | 23.58 mOhms (100kHz)                   |
| Ripple Current        | 3.8 Amps (100kHz 85°C), 81 Amps (Peak) |
| Inductance            | 10 nH                                  |

### Dimensions

|    |                  |
|----|------------------|
| L  | 18mm +0.3/-0.5mm |
| H  | 11mm +0.1/-0.5mm |
| T  | 5mm +0.2/-0.5mm  |
| S  | 15mm +/-0.4mm    |
| H0 | 18.5mm +/-0.5mm  |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |                         |
|--------------------|-------------------------|
| Packaging          | Ammo, 360x340x59mm, Box |
| Packaging Quantity | 800                     |

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