

## R76PN2470DQ00J

Aliases (76PN2470DQ00J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.047 uF, 5%, 630 VDC, 85°C, 22.5 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                             |

### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.047 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             | 1,500 V/us                            |
| ESR                   | 13.55 mOhms (100kHz)                  |
| Ripple Current        | 5.8 Amps (100kHz 85C), 71 Amps (Peak) |
| Inductance            | 16 nH                                 |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 15mm +0.1/-0.5mm   |
| T  | 6mm +0.2/-0.5mm    |
| S  | 22.5mm +/-0.4mm    |
| H0 | 18.5mm +/-0.5mm    |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |                         |
|--------------------|-------------------------|
| Packaging          | Ammo, 360x340x59mm, Box |
| Packaging Quantity | 464                     |

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