

## R76TN2470CK40K

Aliases (76TN2470CK40K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.047 uF, 10%, 1,600 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                             |
| Typical Component Weight | 3.56 g                          |

### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.047 uF                              |
| Tolerance             | 10%                                   |
| Voltage DC            | 1600 VDC                              |
| Voltage AC            | 650 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                   | 13.55 mOhms (100kHz)                  |
| Ripple Current        | 6 Amps (100kHz 85°C), 141 Amps (Peak) |
| Inductance            | 16 nH                                 |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 16mm +0.1/-0.5mm   |
| T  | 7mm +0.2/-0.5mm    |
| S  | 22.5mm +/-0.4mm    |
| H0 | 18.5mm +/-0.5mm    |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |            |
|--------------------|------------|
| Packaging          | T&R, Large |
| Packaging Quantity | 550        |

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