

## R75UN2470JB30K

Aliases (75UN2470JB30K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.047 uF, 10%, 2,000 VDC, 85°C, 22.5 mm



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

### General Information

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

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 18.5mm +0.1/-0.5mm |
| T  | 10mm +0.2/-0.5mm   |
| S  | 22.5mm +/-0.4mm    |
| LL | 3.5mm +0.5mm       |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 396       |

### Specifications

|                       |                                         |
|-----------------------|-----------------------------------------|
| Capacitance           | 0.047 uF                                |
| Tolerance             | 10%                                     |
| Voltage DC            | 2000 VDC                                |
| Voltage AC            | 700 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                   | 16.9 mOhms (100kHz)                     |
| Ripple Current        | 5.74 Amps (100kHz 85C), 188 Amps (Peak) |
| Inductance            | 16 nH                                   |

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