

## R75MN4100JH30K

Aliases (75MN4100JH30K)

R75, Film, Metallized Polypropylene, Automotive Grade, 1 uF, 10%, 400 VDC, 85°C, 22.5 mm



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### 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  | 20mm +0.1/-0.5mm   |
| T  | 11mm +0.2/-0.5mm   |
| S  | 22.5mm +/-0.4mm    |
| LL | 3.2mm +0.3/-0.2mm  |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 360       |

### Specifications

|                       |                                        |
|-----------------------|----------------------------------------|
| Capacitance           | 1 uF                                   |
| Tolerance             | 10%                                    |
| Voltage DC            | 400 VDC                                |
| Voltage AC            | 220 VAC                                |
| Temperature Range     | -55/+105°C                             |
| Rated Temperature     | 85°C                                   |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                |
| Insulation Resistance | 30 GOhms                               |
| Max dV/dt             | 300 V/us                               |
| ESR                   | 8 mOhms (100kHz)                       |
| Ripple Current        | 8.6 Amps (100kHz 85C), 300 Amps (Peak) |
| Inductance            | 16 nH                                  |

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