

## R75PN3220JM30K

Aliases (75PN3220JM30K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.22 uF, 10%, 630 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              | Tinned Wire                                      |
| Lead                     | Wire Leads                                       |
| Qualifications           | AEC-Q200   |
| AEC-Q200                 | Yes  |
| Typical Component Weight | 4.231 g  |
| Miscellaneous            | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.22 uF                               |
| Tolerance             | 10%                                   |
| Voltage DC            | 630 VDC                               |
| Voltage AC            | 250 VAC                               |
| Temperature Range     | -55/+105°C                            |
| Rated Temperature     | 85°C                                  |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz               |
| Insulation Resistance | 100 GOhms                             |
| Max dV/dt             | 400 V/us                              |
| ESR                   | 12.3 mOhms (100kHz)                   |
| Ripple Current        | 6.3 Amps (100kHz 85C), 88 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    |
| LL | 17mm +/-1mm        |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 450       |

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