

## R75RN312050H3J

Aliases (75RN312050H3J)

R75H, Film, Metallized Polypropylene, Automotive Grade, 0.12 uF, 5%, 1250 VDC, 105°C, Lead Spacing = 22.5mm



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

### 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 | 25mm +2/-1mm       |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 250       |

### General Information

|                  |                                                   |
|------------------|---------------------------------------------------|
| Series           | R75H                                              |
| Dielectric       | Metallized Polypropylene                          |
| Style            | Radial                                            |
| Features         | Automotive Grade, Pulse                           |
| RoHS             | Yes                                               |
| Lead             | Wire Leads                                        |
| Qualifications   | AEC-Q200                                          |
| AEC-Q200         | Yes                                               |
| Component Weight | 7 g                                               |
| Miscellaneous    | Above 105C DC And AC Voltage Derating Is 1.25%/C. |

### Specifications

|                       |                                         |
|-----------------------|-----------------------------------------|
| Capacitance           | 0.12 uF                                 |
| Capacitance Tolerance | 5%                                      |
| Voltage AC            | 600 VAC                                 |
| Voltage DC            | 1250 VDC                                |
| Temperature Range     | -55/+125°C                              |
| Rated Temperature     | 105°C                                   |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                 |
| Insulation Resistance | 100 GOhms                               |
| Max dV/dt             | 2100 V/us                               |
| Resistance            | 26.5 mOhms (100kHz)                     |
| Ripple Current        | 7.97 Amps (100kHz 90C), 252 Amps (Peak) |
| Inductance            | 16 nH                                   |