

## R75RN310050H3J

Aliases (75RN310050H3J)

R75H, Film, Metallized Polypropylene, Automotive Grade, 0.1 uF, 5%, 1250 VDC, 105°C, Lead Spacing = 22.5mm



Click here for the 3D model.

| Dimensions |                    |
|------------|--------------------|
| L          | 26.5mm +0.3/-0.5mm |
| Н          | 18.5mm +0.1/-0.5mm |
| т          | 10mm +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       | 300       |

| 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<br>Weight | 5.9 g   |  |
| Miscellaneous       | Above 105C DC And AC Voltage Derating Is 1.25%/C. |  |

| Specifications            |   |
|---------------------------|---|
| Capacitance               | 0.1 uF                                  |
| Capacitance Tolerance     | 5%                                      |
| Voltage AC                | 600 VAC                                 |
| Voltage DC                | 1250 VDC                                |
| Temperature Range         | -55/+125°C                              |
| Rated Temperature         | 105°C                                   |
| <b>Dissipation Factor</b> | 0.04% 1kHz, 0.06% 10kHz, 0.25% 100kHz   |
| Insulation Resistance     | 100 GOhms                               |
| Max dV/dt                 | 2100 V/us                               |
| Resistance                | 31.8 mOhms (100kHz)                     |
| Ripple Current            | 7.08 Amps (100kHz 90C), 210 Amps (Peak) |
| Inductance                | 16 nH                                   |

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