

## R75RR382050H4J

Aliases (75RR382050H4J)

R75H, Film, Metallized Polypropylene, Automotive Grade, 0.82 uF, 5%, 1,250 VDC, 105°C, 27.5 mm



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

### General Information

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| Series                   | R75H                                              |
| 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 | 32.3 g                                            |
| Miscellaneous            | Above 105C DC And AC Voltage Derating Is 1.25%/C. |

### Specifications

|                       |                                          |
|-----------------------|------------------------------------------|
| Capacitance           | 0.82 uF                                  |
| Tolerance             | 5%                                       |
| Voltage DC            | 1250 VDC                                 |
| Voltage AC            | 600 VAC                                  |
| Temperature Range     | -55/+125°C                               |
| Rated Temperature     | 105°C                                    |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                  |
| Insulation Resistance | 36.5854 GOhms                            |
| Max dV/dt             | 750 V/us                                 |
| ESR                   | 3.9 mOhms (100kHz)                       |
| Ripple Current        | 15.75 Amps (100kHz 90C), 615 Amps (Peak) |
| Inductance            | 18 nH                                    |

### Dimensions

|    |                  |
|----|------------------|
| L  | 32mm +0.3/-0.7mm |
| H  | 37mm +0.1/-0.7mm |
| T  | 22mm +0.2/-0.7mm |
| S  | 27.5mm +/-0.4mm  |
| LL | 25mm +2/-1mm     |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 112       |

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