

R75TW382050H3J

Aliases (75TW382050H3J)

R75H, Film, Metallized Polypropylene, Automotive Grade, 0.82 uF, 5%, 1,600 VDC, 105°C, 37.5 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 | 39.7 g |
| Miscellaneous | Above 105C DC And AC Voltage Derating Is 1.25%/C. |

Specifications

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|-----------------------|--|
| Capacitance | 0.82 uF |
| Tolerance | 5% |
| Voltage DC | 1600 VDC |
| Voltage AC | 650 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 | 16.57 Amps (100kHz 90C), 615 Amps (Peak) |
| Inductance | 20 nH |

Dimensions

| | |
|----|--------------------|
| L | 41.5mm +0.3/-0.7mm |
| H | 40mm +0.1/-0.7mm |
| T | 20mm +0.3/-0.7mm |
| S | 37.5mm +/-0.4mm |
| LL | 25mm +2/-1mm |
| F | 1mm +/-0.05mm |

Packaging Specifications

| | |
|--------------------|-----------|
| Packaging | Bulk, Bag |
| Packaging Quantity | 84 |

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