

## R75UI168050H3K

R75H, Film, Metallized Polypropylene, Automotive Grade, 6800 pF, 10%, 2000 VDC, 105°C, Lead Spacing = 15mm



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| Dimensions |                  |
|------------|------------------|
| L          | 18mm +0.3/-0.5mm |
| н          | 12mm +0.1/-0.5mm |
| т          | 6mm +0.2/-0.5mm  |
| S          | 15mm +/-0.4mm    |
| LL         | 25mm +2/-1mm     |
| F          | 0.8mm +/-0.05mm  |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging                | Bulk, Bag |
| Packaging Quantity       | 900       |

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

| Specifications            |  |
|---------------------------|--|
| Capacitance               | 6800 pF                                |
| Capacitance Tolerance     | 10%                                    |
| Voltage AC                | 700 VAC                                |
| Voltage DC                | 2000 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                 | 9500 V/us                              |
| Resistance                | 117 mOhms (100kHz)                     |
| Ripple Current            | 1.75 Amps (100kHz 90C), 65 Amps (Peak) |
| Inductance                | 10 nH                                  |

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