

## R75QI3100AA00K

Aliases (75QI3100AA00K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.1 uF, 10%, 1000 VDC, 85°C, Lead Spacing = 15mm



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

### Dimensions

|    |                  |
|----|------------------|
| L  | 18mm +/-0.5mm    |
| H  | 19mm +0.1/-0.5mm |
| T  | 11mm +0.2/-0.5mm |
| S  | 15mm +/-0.4mm    |
| LL | 4mm +2mm         |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 450       |

### General Information

|                  |  |
|------------------|--|
| Series           | R75  |
| Dielectric       | Metallized Polypropylene                         |
| Style            | Radial   |
| Features         | Automotive Grade, Pulse                          |
| RoHS             | Yes  |
| Lead             | Cut  |
| Qualifications   | AEC-Q200   |
| AEC-Q200         | Yes  |
| Component Weight | 4.566 g  |
| Miscellaneous    | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 0.1 uF                                  |
| Capacitance Tolerance | 10%                                     |
| Voltage AC            | 250 VAC                                 |
| Voltage DC            | 1000 VDC                                |
| Temperature Range     | -55/+105°C                              |
| Rated Temperature     | 85°C                                    |
| Dissipation Factor    | 0.04% 1kHz, 0.06% 10kHz, 0.25% 100kHz   |
| Insulation Resistance | 100 GOhms                               |
| Max dV/dt             | 2000 V/us                               |
| Resistance            | 15.9 mOhms (100kHz)                     |
| Ripple Current        | 5.59 Amps (100kHz 85C), 200 Amps (Peak) |
| Inductance            | 10 nH                                   |