

## R75QI3100GY30K

Aliases (75QI3100GY30K)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.1 uF, 10%, 1,000 VDC, 85°C, 15 mm



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### General Information

|                          |  |
|--------------------------|--|
| Series                   | R75  |
| 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 | 3.8 g  |
| Miscellaneous            | Above 85C DC voltage derating is 2%/C and AC voltage derating is 1.25%/C . |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 0.1 uF                                   |
| Tolerance             | 10%                                      |
| Voltage DC            | 1000 VDC                                 |
| Voltage AC            | 300 VAC                                  |
| Temperature Range     | -55/+105°C                               |
| Rated Temperature     | 85°C                                     |
| Dissipation Factor    | 0.04% 1kHz, 0.06% 10kHz                  |
| Insulation Resistance | 100 GOhms                                |
| Max dV/dt             | 2,000 V/us                               |
| ESR                   | 15.9 mOhms (100kHz)                      |
| Ripple Current        | 5.339 Amps (100kHz 85C), 200 Amps (Peak) |
| Inductance            | 10 nH                                    |

### Dimensions

|    |                  |
|----|------------------|
| L  | 18mm +/-0.5mm    |
| H  | 16mm +0.1/-0.5mm |
| T  | 10mm +0.2/-0.5mm |
| S  | 15mm +/-0.4mm    |
| H0 | 18mm +/-0.5mm    |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |     |
|--------------------|-----|
| Packaging          | T&R |
| Packaging Quantity | 270 |

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