

## R75MI3120AA30J

Aliases (75MI3120AA30J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.12 uF, 5%, 400 VDC, 85°C, 15 mm



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

### General Information

|                          |  |
|--------------------------|--|
| Series                   | R75  |
| Dielectric               | Metallized Polypropylene                         |
| Style                    | Radial   |
| Features                 | Automotive Grade, Pulse                          |
| RoHS                     | Yes  |
| Termination              | Cut (Tinned Wire)                                |
| Lead                     | Cut  |
| Qualifications           | AEC-Q200   |
| Typical Component Weight | 1.728 g  |
| Miscellaneous            | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Dimensions

|    |                  |
|----|------------------|
| L  | 18mm +0.3/-0.5mm |
| H  | 12mm +0.1/-0.5mm |
| T  | 6mm +0.2/-0.5mm  |
| S  | 15mm +/-0.4mm    |
| LL | 4mm +2mm         |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 1750      |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 0.12 uF                                 |
| Tolerance             | 5%                                      |
| Voltage DC            | 400 VDC                                 |
| Voltage AC            | 220 VAC                                 |
| Temperature Range     | -55/+105°C                              |
| Rated Temperature     | 85°C                                    |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                 |
| Insulation Resistance | 100 GOhms                               |
| Max dV/dt             | 900 V/us                                |
| ESR                   | 13.3 mOhms (100kHz)                     |
| Ripple Current        | 5.19 Amps (100kHz 85C), 108 Amps (Peak) |
| Inductance            | 10 nH                                   |

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