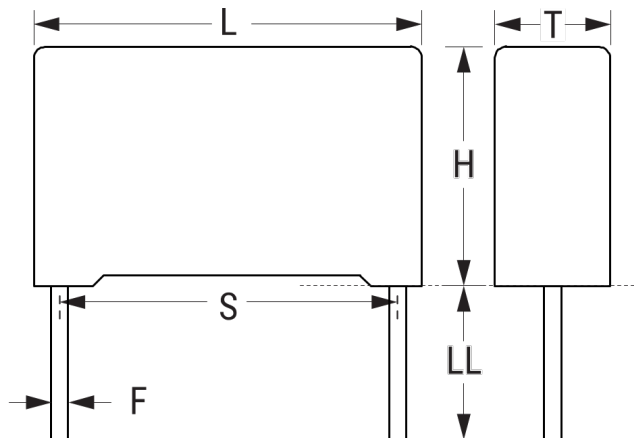


## R75IF3100AA30J

Aliases (75IF3100AA30J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.1 uF, 5%, 250 VDC, 85°C, Lead Spacing = 10mm



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

### Dimensions

|    |                  |
|----|------------------|
| L  | 13mm +0.2/-0.5mm |
| H  | 11mm +0.1/-0.5mm |
| T  | 5mm +0.2/-0.5mm  |
| S  | 10mm +/-0.4mm    |
| LL | 4mm +2mm         |
| F  | 0.6mm +/-0.05mm  |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 1300      |

### 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 | 0.93 g                                           |
| Miscellaneous    | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Specifications

|                       |                                        |
|-----------------------|----------------------------------------|
| Capacitance           | 0.1 uF                                 |
| Capacitance Tolerance | 5%                                     |
| Voltage AC            | 160 VAC                                |
| Voltage DC            | 250 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             | 550 V/us                               |
| Resistance            | 15.9 mOhms (100kHz)                    |
| Ripple Current        | 4.27 Amps (100kHz 85C), 57 Amps (Peak) |
| Inductance            | 9 nH                                   |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.