

## R75RN2680AA30J

Aliases (75RN2680AA30J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.068 uF, 5%, 1,250 VDC, 85°C, 22.5 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   |
| AEC-Q200       | Yes  |
| Miscellaneous  | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 17mm +0.1/-0.5mm   |
| T  | 8.5mm +0.2/-0.5mm  |
| S  | 22.5mm +/-0.4mm    |
| LL | 4mm +2mm           |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 468       |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 0.068 uF                                |
| Tolerance             | 5%                                      |
| Voltage DC            | 1250 VDC                                |
| Voltage AC            | 600 VAC                                 |
| 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             | 2,100 V/us                              |
| ESR                   | 16.4 mOhms (100kHz)                     |
| Ripple Current        | 5.64 Amps (100kHz 85C), 143 Amps (Peak) |
| Inductance            | 16 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.