

## R75PF218050H3J

Aliases (75PF218050H3J)

R75H, Film, Metallized Polypropylene, Automotive Grade, 0.018 uF, 5%, 630 VDC, 105°C, 10 mm



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

### General Information

|                          |   |
|--------------------------|---|
| Series                   | R75H  |
| 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 | 1.1 g   |
| Miscellaneous            | Above 105C DC And AC Voltage Derating Is 1.25%/C. |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 0.018 uF                               |
| Tolerance             | 5%                                     |
| Voltage DC            | 630 VDC                                |
| Voltage AC            | 250 VAC                                |
| Temperature Range     | -55/+125°C                             |
| Rated Temperature     | 105°C                                  |
| Dissipation Factor    | 0.04% 1kHz, 0.06% 10kHz, 0.25% 100kHz  |
| Insulation Resistance | 100 GOhms                              |
| Max dV/dt             | 2,000 V/us                             |
| ESR                   | 61.9 mOhms (100kHz)                    |
| Ripple Current        | 2.16 Amps (100kHz 90C), 36 Amps (Peak) |
| Inductance            | 9 nH                                   |

### Dimensions

|    |                  |
|----|------------------|
| L  | 13mm +0.2/-0.5mm |
| H  | 11mm +0.1/-0.5mm |
| T  | 5mm +0.2/-0.5mm  |
| S  | 10mm +/-0.4mm    |
| LL | 25mm +2/-1mm     |
| F  | 0.6mm +/-0.05mm  |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 1500      |

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