

## R75GI410050H0J

Aliases (75GI410050H0J)

R75H, Film, Metallized Polypropylene, Automotive Grade, 1 uF, 5%, 160 VDC, 105°C, 15 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                                          |
| Typical Component Weight | 4.1 g                                             |
| Miscellaneous            | Above 105C DC And AC Voltage Derating Is 1.25%/C. |

### Dimensions

|    |                  |
|----|------------------|
| L  | 18mm +/-0.5mm    |
| H  | 16mm +0.1/-0.5mm |
| T  | 10mm +0.2/-0.5mm |
| S  | 15mm +/-0.4mm    |
| LL | 25mm +2/-1mm     |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 500       |

### Specifications

|                       |                                         |
|-----------------------|-----------------------------------------|
| Capacitance           | 1 uF                                    |
| Tolerance             | 5%                                      |
| Voltage DC            | 160 VDC                                 |
| Voltage AC            | 90 VAC                                  |
| Temperature Range     | -55/+125°C                              |
| Rated Temperature     | 105°C                                   |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                 |
| Insulation Resistance | 30 GOhms                                |
| Max dV/dt             | 120 V/us                                |
| ESR                   | 4.8 mOhms (100kHz)                      |
| Ripple Current        | 9.75 Amps (100kHz 90C), 120 Amps (Peak) |
| Inductance            | 10 nH                                   |

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