

## R76QI182050H4J

Aliases (76QI182050H4J)

R76H, Film, Double Metallized Polypropylene, Automotive Grade, 8,200 pF, 5%, 1,000 VDC, 105°C, 15 mm



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

### General Information

|                          |                                 |
|--------------------------|---------------------------------|
| Series                   | R76H                            |
| Dielectric               | Double Metallized Polypropylene |
| Style                    | Radial                          |
| Features                 | Automotive Grade, Pulse         |
| RoHS                     | Yes                             |
| Termination              | Tinned Wire                     |
| Lead                     | Wire Leads                      |
| Qualifications           | AEC-Q200                        |
| Typical Component Weight | 1.2 g                           |

### Dimensions

|    |                  |
|----|------------------|
| L  | 18mm +0.3/-0.5mm |
| H  | 10mm +0.1/-0.5mm |
| T  | 4mm +0.2/-0.5mm  |
| S  | 15mm +/-0.4mm    |
| LL | 25mm +2/-1mm     |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

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

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 8,200 pF                                |
| Tolerance             | 5%                                      |
| Voltage DC            | 1000 VDC                                |
| Voltage AC            | 600 VAC                                 |
| Temperature Range     | -55/+125°C                              |
| Rated Temperature     | 105°C                                   |
| Dissipation Factor    | 0.03% 1kHz, 0.04% 10kHz, 0.1% 100kHz    |
| Insulation Resistance | 100 GOhms                               |
| Max dV/dt             | 3,500 V/us                              |
| ESR                   | 77.64 mOhms (100kHz)                    |
| Ripple Current        | 1.74 Amps (100kHz 100C), 29 Amps (Peak) |
| Inductance            | 10 nH                                   |

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