

## R76QF18205050J

Aliases (76QF18205050J)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 8,200 pF, 5%, 1,000 VDC, 85°C, 10 mm



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

### General Information

|                          |                                 |
|--------------------------|---------------------------------|
| Series                   | R76                             |
| Dielectric               | Double 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                           |

### 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      |

### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 8,200 pF                              |
| Tolerance             | 5%                                    |
| Voltage DC            | 1000 VDC                              |
| Voltage AC            | 600 VAC                               |
| Temperature Range     | -55/+110°C                            |
| Rated Temperature     | 85°C                                  |
| Dissipation Factor    | 0.03% 1kHz, 0.04% 10kHz, 0.1% 100kHz  |
| Insulation Resistance | 100 GOhms                             |
| Max dV/dt             | 6,500 V/us                            |
| ESR                   | 77.64 mOhms (100kHz)                  |
| Ripple Current        | 1.9 Amps (100kHz 85C), 53 Amps (Peak) |
| Inductance            | 9 nH                                  |

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