

## R76IN3560GY30K

Aliases (76IN3560GY30K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.56 uF, 10%, 250 VDC, 85°C, 22.5 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 | 3.333 g                         |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 0.56 uF                                |
| Tolerance             | 10%                                    |
| Voltage DC            | 250 VDC                                |
| Voltage AC            | 180 VAC                                |
| Temperature Range     | -55/+110°C                             |
| Rated Temperature     | 85°C                                   |
| Dissipation Factor    | 0.03% 1kHz, 0.06% 10kHz                |
| Insulation Resistance | 53.5714 GOhms                          |
| Max dV/dt             | 300 V/us                               |
| ESR                   | 5.68 mOhms (100kHz)                    |
| Ripple Current        | 9.6 Amps (100kHz 85C), 168 Amps (Peak) |
| Inductance            | 16 nH                                  |

### 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    |
| H0 | 18.5mm +/-0.5mm    |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |     |
|--------------------|-----|
| Packaging          | T&R |
| Packaging Quantity | 250 |

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