

## R76IN3820DQ30K

Aliases (76IN3820DQ30K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.82 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 | 6.106 g                         |

### Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.82 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 | 36.5854 GOhms                         |
| Max dV/dt             | 300 V/us                              |
| ESR                   | 3.88 mOhms (100kHz)                   |
| Ripple Current        | 12 Amps (100kHz 85C), 246 Amps (Peak) |
| Inductance            | 16 nH                                 |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 18.5mm +0.1/-0.5mm |
| T  | 10mm +0.2/-0.5mm   |
| S  | 22.5mm +/-0.4mm    |
| H0 | 18.5mm +/-0.5mm    |
| F  | 0.8mm +/-0.05mm    |

### Packaging Specifications

|                    |                         |
|--------------------|-------------------------|
| Packaging          | Ammo, 360x340x59mm, Box |
| Packaging Quantity | 235                     |

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