

## R76QN31005030K

Aliases (76QN31005030K)

R76, Film, Double Metallized Polypropylene, Automotive Grade, 0.1 uF, 10%, 1000 VDC, 85°C, Lead Spacing = 22.5mm



Click here for the 3D model.

| Dimensions |                    |
|------------|--------------------|
| L          | 26.5mm +0.3/-0.5mm |
| Н          | 18.5mm +0.1/-0.5mm |
| Т          | 10mm +0.2/-0.5mm   |
| S          | 22.5mm +/-0.4mm    |
| LL         | 25mm +2/-1mm       |
| F          | 0.8mm +/-0.05mm    |

| Packaging Specifications |           |  |
|--------------------------|-----------|--|
| Packaging                | Bulk, Bag |  |
| Packaging Quantity       | 300       |  |

| General Information |                                 |  |
|---------------------|---------------------------------|--|
| Series              | R76                             |  |
| Dielectric          | Double Metallized Polypropylene |  |
| Style               | Radial                          |  |
| Features            | Automotive Grade, Pulse         |  |
| RoHS                | Yes                             |  |
| Lead                | Wire Leads                      |  |
| Qualifications      | AEC-Q200                        |  |
| AEC-Q200            | Yes                             |  |
| Component Weight    | 3.33 g                          |  |

| Specifications        |  |
|-----------------------|--|
| Capacitance           | 0.1 uF                                 |
| Capacitance Tolerance | 10%                                    |
| Voltage AC            | 600 VAC                                |
| Voltage DC            | 1000 VDC                               |
| 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             | 2100 V/us                              |
| Resistance            | 11.14 mOhms (100kHz)                   |
| Ripple Current        | 7.1 Amps (100kHz 85C), 210 Amps (Peak) |
| Inductance            | 16 nH                                  |

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