

R74LF2180JM00K

Aliases (74LF2180JM00K)

Not for New Design

R74, Film, Metallized Polypropylene, Automotive Grade, 0.018 uF, 10%, 630 VDC, 85°C, 10 mm



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

General Information

| | |
|----------------|--|
| Series | R74 |
| Dielectric | Metallized Polypropylene |
| Style | Radial |
| Features | Automotive Grade, Pulse |
| RoHS | Yes |
| Termination | Tinned Wire |
| Lead | Wire Leads |
| Qualifications | AEC-Q200 |
| AEC-Q200 | Yes |
| Miscellaneous | Above 85C DC And AC Voltage Derating Is 1.25%/C. |
| Notes | Series Replaced by R75. |

Specifications

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|-----------------------|---------------------------------------|
| Capacitance | 0.018 uF |
| Tolerance | 10% |
| Voltage DC | 630 VDC |
| Voltage AC | 250 VAC |
| Temperature Range | -55/+105°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 0.01% 1kHz, 0.02% 10kHz, 0.08% 100kHz |
| Insulation Resistance | 100 GOhms |
| Max dV/dt | 300 V/us |
| ESR | 35.4 mOhms (100kHz) |
| Ripple Current | 2.8 Amps (100kHz 85C), 5 Amps (Peak) |
| Inductance | 9 nH |

Dimensions

| | |
|----|------------------|
| L | 13mm +0.2/-0.5mm |
| H | 11mm +0.1/-0.5mm |
| T | 5mm +0.2/-0.5mm |
| S | 10mm +/-0.4mm |
| LL | 18mm +/-1mm |
| F | 0.6mm +/-0.05mm |

Packaging Specifications

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

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