

R745I1220AA30K

Aliases (745I1220AA30K)

Not for New Design

R74, Film, Metallized Polypropylene, Automotive Grade, 2,200 pF, 10%, 1,600 VDC, 85°C, 15 mm



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

General Information

| | |
|----------------|--|
| Series | R74 |
| Dielectric | Metallized Polypropylene |
| Style | Radial |
| Features | Automotive Grade, Pulse |
| RoHS | Yes |
| Termination | Cut (Tinned Wire) |
| Lead | Cut |
| 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 | 2,200 pF |
| Tolerance | 10% |
| Voltage DC | 1600 VDC |
| Voltage AC | 500 VAC |
| Temperature Range | -55/+105°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 0.01% 1kHz, 0.02% 10kHz, 0.03% 100kHz |
| Insulation Resistance | 100 GOhms |
| Max dV/dt | 4,500 V/us |
| ESR | 289.4 mOhms (100kHz) |
| Ripple Current | 0.7 Amps (100kHz 85C), 10 Amps (Peak) |
| Inductance | 10 nH |

Dimensions

| | |
|----|------------------|
| L | 18mm +0.3/-0.5mm |
| H | 10mm +0.1/-0.5mm |
| T | 4mm +0.2/-0.5mm |
| S | 15mm +/-0.4mm |
| LL | 4mm +2mm |
| F | 0.8mm +/-0.05mm |

Packaging Specifications

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|--------------------|-----------|
| Packaging | Bulk, Bag |
| Packaging Quantity | 2500 |

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