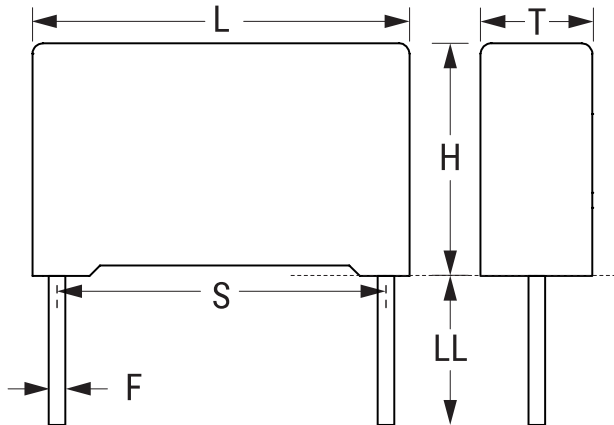


## R745F1100JE00J

Aliases (745F1100JE00J)

Not for New Design

R74, Film, Metallized Polypropylene, Automotive Grade, 1,000 pF, 5%, 1,600 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    | 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

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 1,000 pF                              |
| Tolerance             | 5%                                    |
| 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             | 6,000 V/us                            |
| ESR                   | 636.6 mOhms (100kHz)                  |
| Ripple Current        | 0.3 Amps (100kHz 85C), 6 Amps (Peak)  |
| Inductance            | 9 nH                                  |

### Dimensions

|    |                  |
|----|------------------|
| L  | 13mm +0.2/-0.5mm |
| H  | 9mm +0.1/-0.5mm  |
| T  | 4mm +0.2/-0.5mm  |
| S  | 10mm +/-0.4mm    |
| LL | 4mm +0.5mm       |
| F  | 0.6mm +/-0.05mm  |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 2000      |

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