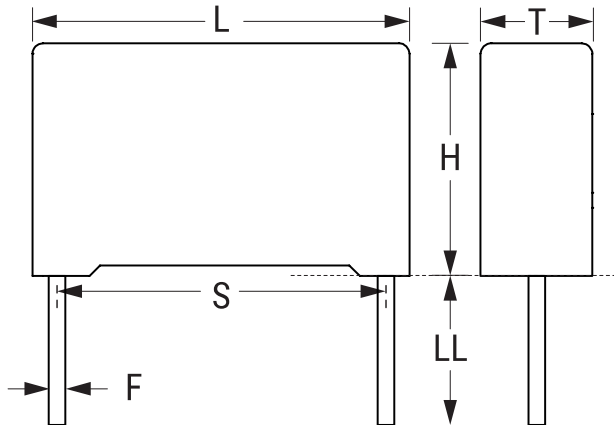


## R745R4100AA00J

Aliases (745R4100AA00J)

Not for New Design

R74, Film, Metallized Polypropylene, General Purpose, 1 uF, 5%, 1600 VDC, 85°C, 27.5 mm



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

### General Information

|                          |                                                  |
|--------------------------|--------------------------------------------------|
| Series                   | R74                                              |
| Dielectric               | Metallized Polypropylene                         |
| Style                    | Radial                                           |
| Features                 | Pulse                                            |
| RoHS                     | Yes                                              |
| Termination              | Cut (Tinned Wire)                                |
| Lead                     | Cut                                              |
| AEC-Q200                 | No                                               |
| Typical Component Weight | 36.1 g                                           |
| Miscellaneous            | Above 85C DC And AC Voltage Derating Is 1.25%/C. |
| Notes                    | Series Replaced by R75.                          |

### Specifications

|                       |                                        |
|-----------------------|----------------------------------------|
| Capacitance           | 1 uF                                   |
| Tolerance             | 5%                                     |
| Voltage DC            | 1600 VDC                               |
| Voltage AC            | 500 VAC                                |
| Temperature Range     | -55/+105°C                             |
| Rated Temperature     | 85°C                                   |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                |
| Insulation Resistance | 30 GOhms                               |
| Max dV/dt             | 500 V/us                               |
| ESR                   | 12.7 mOhms (100kHz)                    |
| Ripple Current        | 8.7 Amps (100kHz 85C), 500 Amps (Peak) |
| Inductance            | 18 nH                                  |

### Dimensions

|    |                  |
|----|------------------|
| L  | 32mm +0.3/-0.7mm |
| H  | 37mm +0.1/-0.7mm |
| T  | 22mm +0.2/-0.7mm |
| S  | 27.5mm +/-0.4mm  |
| LL | 4mm +2mm         |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Tray |
| Packaging Quantity | 168  |

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