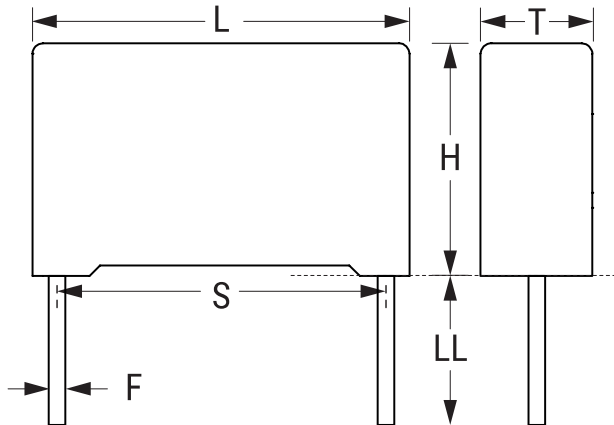


## R749N12205000J

Aliases (749N12205000J)

Not for New Design

R74, Film, Metallized Polypropylene, Automotive Grade, 2,200 pF, 5%, 2,200 VDC, 85°C, 22.5 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

|                       |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 2,200 pF                              |
| Tolerance             | 5%                                    |
| Voltage DC            | 2200 VDC                              |
| Voltage AC            | 900 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             | 2,500 V/us                            |
| ESR                   | 289.4 mOhms (100kHz)                  |
| Ripple Current        | 1.2 Amps (100kHz 85C), 6 Amps (Peak)  |
| Inductance            | 18 nH                                 |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 15mm +0.1/-0.5mm   |
| T  | 6mm +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 | 500       |

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