

## R75PN4120AA30J

Aliases (75PN4120AA30J)

R75, Film, Metallized Polypropylene, Automotive Grade, 1.2 uF, 5%, 630 VDC, 85°C, 22.5mm



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

### Dimensions

|    |                    |
|----|--------------------|
| L  | 26.5mm +0.3/-0.5mm |
| H  | 29.5mm +0.1/-0.5mm |
| T  | 14.5mm +0.2/-0.5mm |
| S  | 22.5mm +/-0.4mm    |
| LL | 4mm +2mm           |
| F  | 0.8mm +/-0.4mm     |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 264       |

### General Information

|                |  |
|----------------|--|
| Series         | R75  |
| 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 voltage derating is 2%/C and AC voltage derating is 1.25%/C . |

### Specifications

|                       |  |
|-----------------------|--|
| Capacitance           | 1.2 uF                                   |
| Capacitance Tolerance | 5%                                       |
| Voltage DC            | 630 VDC                                  |
| Voltage AC            | 250 VAC                                  |
| Temperature Range     | -55/+105°C                               |
| Rated Temperature     | 85°C                                     |
| Dissipation Factor    | 0.06% 1kHz, 0.08% 10kHz                  |
| Insulation Resistance | 25 GOhms                                 |
| Max dV/dt             | 400 V/us                                 |
| ESR                   | 13.26 mOhms (100kHz)                     |
| Ripple Current        | 7.437 Amps (100kHz 85C), 480 Amps (Peak) |
| Inductance            | 16 nH                                    |

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