

## R75IN4180JB40J

Aliases (75IN4180JB40J)

R75, Film, Metallized Polypropylene, Automotive Grade, 1.8 uF, 5%, 250 VDC, 85°C, Lead Spacing = 22.5mm



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

| Dimensions |                    |
|------------|--------------------|
| L          | 26.5mm +0.3/-0.5mm |
| H          | 18.5mm +0.1/-0.5mm |
| T          | 10mm +0.2/-0.5mm   |
| S          | 22.5mm +/-0.4mm    |
| LL         | 3.5mm +0.5mm       |
| F          | 0.8mm +/-0.05mm    |

| Packaging Specifications |           |
|--------------------------|-----------|
| Packaging                | Bulk, Bag |
| Packaging Quantity       | 396       |

| General Information |  |
|---------------------|--|
| Series              | R75  |
| Dielectric          | Metallized Polypropylene                         |
| Style               | Radial   |
| Features            | Automotive Grade, Pulse                          |
| RoHS                | Yes  |
| Lead                | Cut  |
| Qualifications      | AEC-Q200   |
| AEC-Q200            | Yes  |
| Miscellaneous       | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

| Specifications        |   |
|-----------------------|---|
| Capacitance           | 1.8 uF                                  |
| Capacitance Tolerance | 5%                                      |
| Voltage AC            | 160 VAC                                 |
| Voltage DC            | 250 VDC                                 |
| Temperature Range     | -55/+105°C                              |
| Rated Temperature     | 85°C                                    |
| Dissipation Factor    | 0.06% 1kHz                              |
| Insulation Resistance | 16.6667 GOhms                           |
| Max dV/dt             | 125 V/us                                |
| Resistance            | 8.84 mOhms (100kHz)                     |
| Ripple Current        | 7.95 Amps (100kHz 85C), 234 Amps (Peak) |
| Inductance            | 18 nH                                   |

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