

## R75ID2820DQB0J

Aliases (75ID2820DQB0J)

R75, Film, Metallized Polypropylene, Automotive Grade, 0.082 uF, 5%, 250 VDC, 85°C, 7.5 mm



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

| Dimensions |                  |
|------------|------------------|
| L          | 10mm +0.2/-0.5mm |
| H          | 9mm +0.1/-0.5mm  |
| T          | 4mm +0.1/-0.5mm  |
| S          | 7.5mm +/-0.4mm   |
| H0         | 18.5mm +/-0.5mm  |
| F          | 0.5mm +/-0.05mm  |

| Packaging Specifications |                         |
|--------------------------|-------------------------|
| Packaging                | Ammo, 360x340x59mm, Box |
| Packaging Quantity       | 2100                    |

| General Information |  |
|---------------------|--|
| Series              | R75  |
| 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. |

| Specifications        |                                       |
|-----------------------|---------------------------------------|
| Capacitance           | 0.082 uF                              |
| Tolerance             | 5%                                    |
| Voltage DC            | 250 VDC                               |
| Voltage AC            | 140 VAC                               |
| Temperature Range     | -55/+105°C                            |
| Rated Temperature     | 85°C                                  |
| Dissipation Factor    | 0.04% 1kHz, 0.06% 10kHz, 0.25% 100kHz |
| Insulation Resistance | 100 GOhms                             |
| Max dV/dt             | 180 V/us                              |
| ESR                   | 13.6 mOhms (100kHz)                   |
| Ripple Current        | 4.1 Amps (100kHz 85C), 15 Amps (Peak) |
| Inductance            | 8 nH                                  |

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