

## R75IR42204050K

Aliases (75IR42204050K)

R75, Film, Metallized Polypropylene, General Purpose, 2.2 uF, 10%, 250 VDC, 85°C, 27.5 mm



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

### General Information

|                          |  |
|--------------------------|--|
| Series                   | R75  |
| Dielectric               | Metallized Polypropylene                         |
| Style                    | Radial   |
| Features                 | Pulse  |
| RoHS                     | Yes  |
| Termination              | Tinned Wire                                      |
| Lead                     | Wire Leads                                       |
| AEC-Q200                 | No   |
| Typical Component Weight | 8.45 g   |
| Miscellaneous            | Above 85C DC And AC Voltage Derating Is 1.25%/C. |

### Dimensions

|    |                  |
|----|------------------|
| L  | 32mm +0.3/-0.7mm |
| H  | 20mm +0.1/-0.7mm |
| T  | 11mm +0.2/-0.7mm |
| S  | 27.5mm +/-0.4mm  |
| LL | 30mm +5mm        |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Tray |
| Packaging Quantity | 336  |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 2.2 uF                                  |
| Tolerance             | 10%                                     |
| Voltage DC            | 250 VDC                                 |
| Voltage AC            | 160 VAC                                 |
| Temperature Range     | -55/+105°C                              |
| Rated Temperature     | 85°C                                    |
| Dissipation Factor    | 0.06% 1kHz                              |
| Insulation Resistance | 13.6364 GOhms                           |
| Max dV/dt             | 100 V/us                                |
| ESR                   | 7.2 mOhms (100kHz)                      |
| Ripple Current        | 9.38 Amps (100kHz 85C), 220 Amps (Peak) |
| Inductance            | 18 nH                                   |

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