

## R75TW327050L3J

Aliases (75TW327050L3J)

R75, Film, Metallized Polypropylene, General Purpose, 0.27 uF, 5%, 1,600 VDC, 85°C, 37.5 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 | 15.6 g                                                                     |
| Miscellaneous            | Above 85C DC voltage derating is 2%/C and AC voltage derating is 1.25%/C . |

### Dimensions

|    |                    |
|----|--------------------|
| L  | 41.5mm +0.3/-0.7mm |
| H  | 15mm +0.1/-0.7mm   |
| T  | 24mm +0.3/-0.7mm   |
| S  | 37.5mm +/-0.4mm    |
| LL | 25mm +2/-1mm       |
| F  | 1mm +/-0.4mm       |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Tray |
| Packaging Quantity | 108  |

### Specifications

|                       |                                          |
|-----------------------|------------------------------------------|
| Capacitance           | 0.27 uF                                  |
| Capacitance Tolerance | 5%                                       |
| Voltage DC            | 1600 VDC                                 |
| Voltage AC            | 650 VAC                                  |
| Temperature Range     | -55/+105°C                               |
| Rated Temperature     | 85°C                                     |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                  |
| Insulation Resistance | 100 GOhms                                |
| Max dV/dt             | 750 V/us                                 |
| ESR                   | 10.02 mOhms (100kHz)                     |
| Ripple Current        | 9.047 Amps (100kHz 85C), 203 Amps (Peak) |
| Inductance            | 20 nH                                    |

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