

## R71QR41004010K

Aliases (71QR41004010K)

R71, Film, Metallized Polypropylene, General Purpose, 1 uF, 10%, 1,000 VDC, 105°C, 27.5 mm



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### General Information

|                          |  |
|--------------------------|--|
| Series                   | R71  |
| Dielectric               | Metallized Polypropylene                       |
| Style                    | Radial   |
| Features                 | PFC and Pulse                                  |
| RoHS                     | Yes  |
| Termination              | Tinned Wire                                    |
| Lead                     | Wire Leads                                     |
| AEC-Q200                 | No   |
| Typical Component Weight | 13.15 g  |
| Miscellaneous            | Above 105C DC And AC Voltage Derating Is 4%/C. |

### Dimensions

|    |                  |
|----|------------------|
| L  | 32mm +0.3/-0.7mm |
| H  | 22mm +0.1/-0.7mm |
| T  | 13mm +0.2/-0.7mm |
| S  | 27.5mm +/-0.4mm  |
| LL | 30mm +5mm        |
| F  | 0.8mm +/-0.05mm  |

### Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Tray |
| Packaging Quantity | 288  |

### Specifications

|                       |   |
|-----------------------|---|
| Capacitance           | 1 uF                                    |
| Tolerance             | 10%                                     |
| Voltage DC            | 1000 VDC                                |
| Voltage AC            | 275 VAC                                 |
| Temperature Range     | -40/+110°C                              |
| Rated Temperature     | 105°C                                   |
| Dissipation Factor    | 0.1% 25C                                |
| Insulation Resistance | 30 GOhms                                |
| Max dV/dt             | 180 V/us                                |
| ESR                   | 119.4 mOhms (100kHz)                    |
| Ripple Current        | 1.61 Amps (100kHz 85C), 180 Amps (Peak) |
| Inductance            | 18 nH                                   |

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