



Note: '()' correspond to the letters used in the product bulletin

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

#### General Information

|                          |                              |
|--------------------------|------------------------------|
| Series                   | F161                         |
| Dielectric               | Metallized Polyester Stacked |
| Style                    | SMD Chip                     |
| Features                 | Automotive Grade             |
| RoHS                     | Yes                          |
| Qualifications           | AEC-Q200                     |
| AEC-Q200                 | Yes                          |
| Typical Component Weight | 1.591 g                      |
| Shelf Life               | 104 Weeks                    |
| MSL                      | 3                            |

#### Dimensions

|   |                 |
|---|-----------------|
| L | 10.2mm +/-0.2mm |
| W | 9.1mm +/-0.2mm  |
| T | 5.5mm +/-0.2mm  |
| F | 0.5mm NOM       |

#### Packaging Specifications

|                    |     |
|--------------------|-----|
| Packaging          | T&R |
| Packaging Quantity | 800 |

#### Specifications

|                       |                                    |
|-----------------------|------------------------------------|
| Capacitance           | 0.047 uF                           |
| Tolerance             | 10%                                |
| Voltage DC            | 250 VDC                            |
| Voltage AC            | 160 VAC                            |
| Temperature Range     | -55/+125°C                         |
| Rated Temperature     | 85°C                               |
| Dissipation Factor    | 0.8% 1kHz, 1.2% 10kHz, 2.5% 100kHz |
| Insulation Resistance | 1 GOhms                            |
| Max dV/dt             | 40 V/us                            |

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