



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

### General Information

|                |   |
|----------------|---|
| Series         | F161  |
| Dielectric     | Metallized Polyester Stacked  |
| Style          | SMD Chip  |
| Features       | Automotive Grade  |
| RoHS           | Yes   |
| Qualifications | AEC-Q200  |
| AEC-Q200       | Yes   |
| Miscellaneous  | This Capacitor Is Currently Under Development, Please Contact KEMET For Availability. |
| Shelf Life     | 104 Weeks   |
| MSL            | 3   |

### Specifications

|                       |                                    |
|-----------------------|------------------------------------|
| Capacitance           | 0.1 uF                             |
| Capacitance Tolerance | 20%                                |
| Voltage AC            | 30 VAC                             |
| Voltage DC            | 50 VDC                             |
| Temperature Range     | -55/+100°C                         |
| Rated Temperature     | 100°C                              |
| Dissipation Factor    | 0.8% 1kHz, 1.2% 10kHz, 2.5% 100kHz |
| Insulation Resistance | 1 GOhms                            |
| Max dV/dt             | 30 V/us                            |

### Dimensions

|           |                |
|-----------|----------------|
| Chip Size | 2824           |
| L         | 7.3mm +/-0.2mm |
| W         | 6mm +/-0.2mm   |
| T         | 2.5mm +/-0.2mm |
| F         | 0.5mm NOM      |

### Packaging Specifications

|                    |           |
|--------------------|-----------|
| Packaging          | Bulk, Bag |
| Packaging Quantity | 2000      |