



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

## General Information

|                          |   |
|--------------------------|---|
| Series                   | F612  |
| Dielectric               | Metallized Polyester Stacked  |
| Style                    | Radial  |
| Features                 | MKT (Stacked), DC Multipurpose Applications   |
| RoHS                     | Yes   |
| Termination              | Cut (Tinned Wire)   |
| Lead                     | Cut/Short   |
| AEC-Q200                 | No  |
| Typical Component Weight | 0.23 g  |
| Miscellaneous            | The Rated Voltage Decreases 1.25%/C Between +85C And +105C (For +125C, Please Consult KEMET). This 5% tolerance part is available on request. ClimCat: 55/105/56. |

## Dimensions

|    |                 |
|----|-----------------|
| L  | 7.2mm -0.5mm    |
| H  | 6.5mm -0.5mm    |
| T  | 2.5mm -0.5mm    |
| S  | 5mm +/-0.4mm    |
| LL | 4mm +2mm        |
| F  | 0.5mm +/-0.05mm |
| G  | 0.5mm NOM       |

## Packaging Specifications

|                    |      |
|--------------------|------|
| Packaging          | Bulk |
| Packaging Quantity | 3000 |

## Specifications

|                       |                                    |
|-----------------------|------------------------------------|
| Capacitance           | 0.047 uF                           |
| Tolerance             | 5%                                 |
| Voltage DC            | 100 VDC, 75 VDC (105C)             |
| Voltage AC            | 63 VAC                             |
| Temperature Range     | -55/+105°C                         |
| Rated Temperature     | 85°C                               |
| Dissipation Factor    | 0.8% 1kHz, 1.2% 10kHz, 2.5% 100kHz |
| Insulation Resistance | 15 GOhms                           |
| Max dV/dt             | 200 V/us                           |
| Inductance            | 6 nH                               |

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