



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 | 0.38 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 | 7.5mm -0.5mm |
| T | 3.5mm -0.5mm |
| S | 5mm +/-0.4mm |
| LL | 4mm +2mm |
| F | 0.5mm +/-0.05mm |
| G | 0.5mm NOM |

Packaging Specifications

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|--------------------|------|
| Packaging | Bulk |
| Packaging Quantity | 2000 |

Specifications

| | |
|-----------------------|--------------------------|
| Capacitance | 0.47 uF |
| Tolerance | 5% |
| Voltage DC | 63 VDC, 47.25 VDC (105C) |
| Voltage AC | 40 VAC |
| Temperature Range | -55/+105°C |
| Rated Temperature | 85°C |
| Dissipation Factor | 0.8% 1kHz, 1.2% 10kHz |
| Insulation Resistance | 10.638 GOhms |
| Max dV/dt | 160 V/us |
| Inductance | 6 nH |

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