

# F612JQ105K063C

F612, Film, Metallized Polyester Stacked, General Purpose, 1 uF, 10%, 63 VDC, 85°C, Lead Spacing = 5mm

## FRONT VIEW



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

### Dimensions

- L 7.2mm -0.5mm
- H 10mm -0.5mm
- T 5mm -0.5mm
- S 5mm +/-0.4mm

### Dimensions

LL 4mm +2mm  
F 0.5mm +/-0.05mm  
G 0.5mm NOM

### Packaging Specifications

Packaging Bulk  
Packaging Quantity 1000

### General Information

Series F612  
Dielectric Metallized Polyester Stacked  
Style Radial  
Features MKT (Stacked), DC Multipurpose Applications  
RoHS Yes  
Lead Cut/Short  
AEC-Q200 No  
Component Weight 0.72 g  
Miscellaneous The Rated Voltage Decreases 1.25%/C Between +85C And +105C (For +125C, Please Consult KEMET). ClimCat: 55/105/56.

### Specifications

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

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