

# F612JF393J100C

F612, Film, Metallized Polyester Stacked, General Purpose, 0.039  $\mu$ F, 5%, 100 VDC, 85°C, Lead Spacing = 5mm

## FRONT VIEW



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

### Dimensions

- L 7.2mm -0.5mm
- H 6.5mm -0.5mm
- T 2.5mm -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 3000

## 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 0.331 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.

## Specifications

Capacitance 0.039 uF  
Capacitance Tolerance 5%  
Voltage AC 63 VAC  
Voltage DC 100 VDC, 75 VDC (105C)  
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

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

Generated 5/18/2023 - d562c1c4-1607-4fa2-b118-e4ff80c8745f

© 2006 - 2023 KEMET

Generated 5/18/2023 - d562c1c4-1607-4fa2-b118-e4ff80c8745f

© 2006 - 2023 KEMET