



### General Information

Series	F612
Dielectric	Metallized Polyester Stacked
Style	Radial
Features	MKT (Stacked), DC Multipurpose Applications
RoHS	Yes
Lead	Wire Leads
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 $\mu$ F
Capacitance Tolerance	20%
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

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

### Dimensions

L	7.2mm -0.5mm
H	10mm -0.5mm
T	5mm -0.5mm
S	5mm +/-0.4mm
H <sub>0</sub>	18.5mm +/-0.5mm
F	0.5mm +/-0.05mm
G	0.5mm NOM

### Packaging Specifications

Packaging	T&R
Packaging Quantity	1200

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