⬣TDK

SMD / SMT Inductors (Coils)

MLF1608A3R9MTD25

RoHS Reach Halogen Free Pb Free

Applications	🚗	Automotive Grade
Feature	AEC-Q200 AEC-Q200 No Directivity No Directivity Multilayer Multilayer Shield Magnetic Shield Ferrite Core Ferrite Core	
Series | Type	MLF	
Status		Production
Brand	TDK	

Size	
Length(L)	1.60mm ±0.15mm
Width(W)	0.80mm ±0.15mm
Thickness | Height	0.80mm ±0.15mm
Recommended Land Pattern (A)	0.60mm Nom.
Recommended Land Pattern (B)	0.80mm Nom.
Recommended Land Pattern (C)	0.80mm Nom.

Electrical Characteristics	
Inductance	3.9µH ±20% at 10MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	30mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	650mΩ
DC Resistance [Max.]	1.45Ω
Self Resonant Frequency [Min.]	60MHz
Self Resonant Frequency [Typ.]	90MHz
Q [Min.]	35 at 10MHz
Q [Typ.]	60 at 10MHz

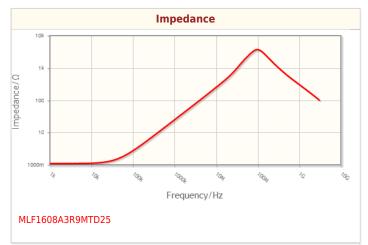| Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs
Weight	0.004g

! Images are for reference only and show exemplary products.
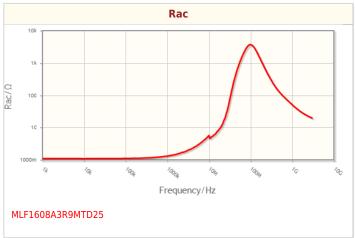
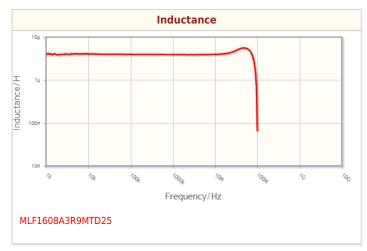! This PDF document was created based on the data listed on the TDK Corporation website.
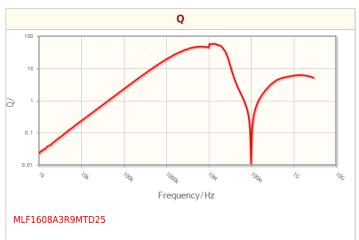
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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance

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Rac

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Inductance
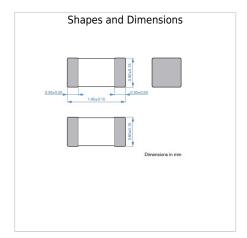
MLF1608A3R9MTD25

Q

MLF1608A3R9MTD25

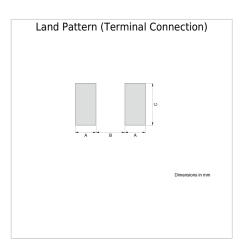! Images are for reference only and show exemplary products.
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Associated Images

Shapes and Dimensions

0.80±0.15

0.30±0.20   0.30±0.20

1.60±0.15

0.80±0.15

Dimensions in mm

Land Pattern (Terminal Connection)

C

A   B   A

Dimensions in mm

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