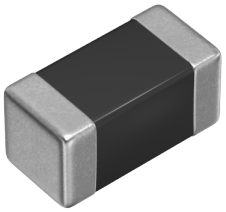
SMD / SMT Inductors (Coils)

MLF1608D82NMTD25

Product Status	Production
Applications	Automotive Grade
Feature	AEC-Q200AEC-Q200 No DirectivityNo Directivity MultilayerMultilayer ShieldMagnetic Shield Ferrite CoreFerrite Core
Series | Type	MLF
Brand	TDK
Environmental Compliance	RoHS, REACH, Halogen Free, Lead Free



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	82nH ±20% at 50MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	200mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	150mΩ
DC Resistance [Max.]	300mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	500MHz
Self Resonant Frequency [Typ.]	650MHz
Q [Min.]	10 at 50MHz
Q [Typ.]	20 at 50MHz

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES

! Images are for reference only and show exemplary products.
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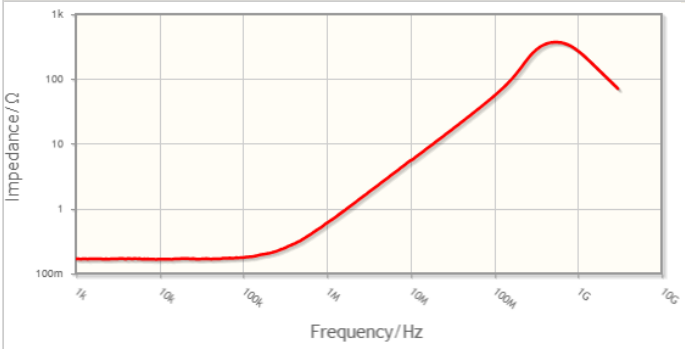
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs
Weight	0.004g

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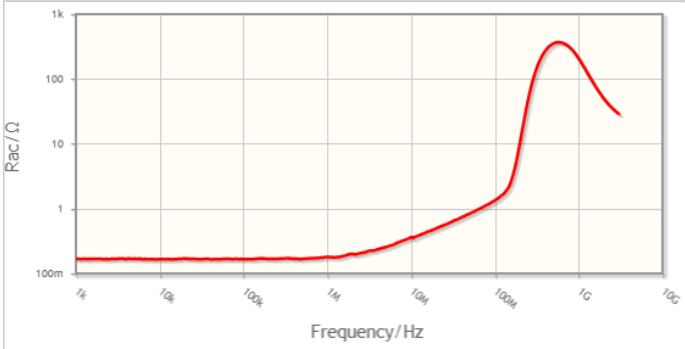
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



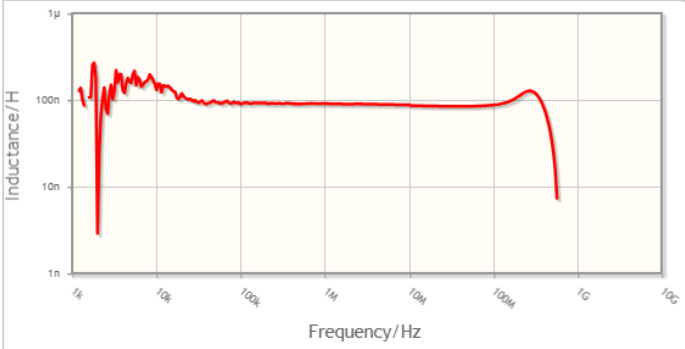
MLF1608D82NMTD25

Rac



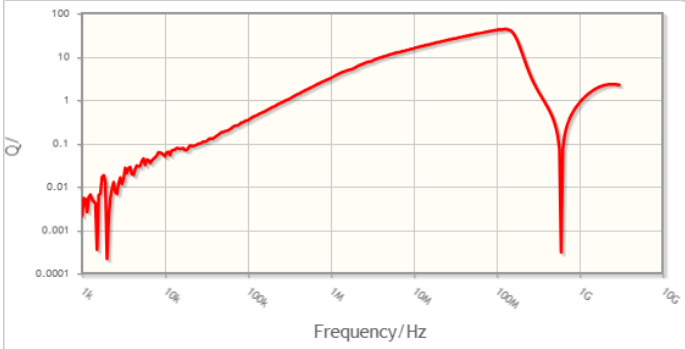
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Inductance



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Q



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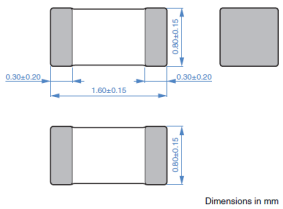
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SMD / SMT Inductors (Coils)

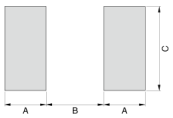
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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