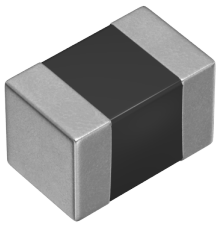
SMD / SMT Inductors (Coils)

MLF2012A1R5KTD25

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)	2.00mm ±0.20mm
Width(W)	1.25mm ±0.20mm
Thickness | Height	0.85mm ±0.20mm
Recommended Land Pattern (A)	0.80mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.20mm Nom.

Electrical Characteristics	
Inductance	1.5µH ±10% at 10MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	80mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	180mΩ
DC Resistance [Max.]	400mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	100MHz
Self Resonant Frequency [Typ.]	140MHz
Q [Min.]	45 at 10MHz
Q [Typ.]	60 at 10MHz

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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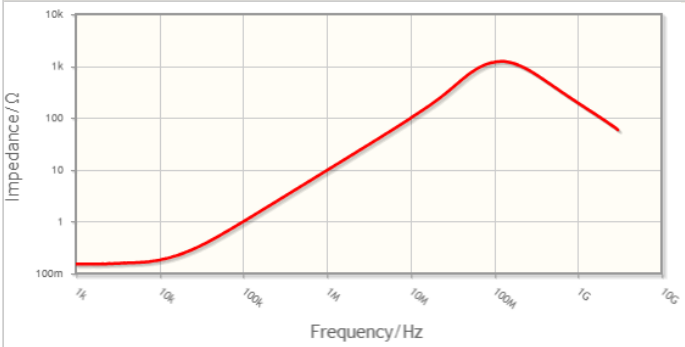
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs
Weight	0.01g

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

Impedance



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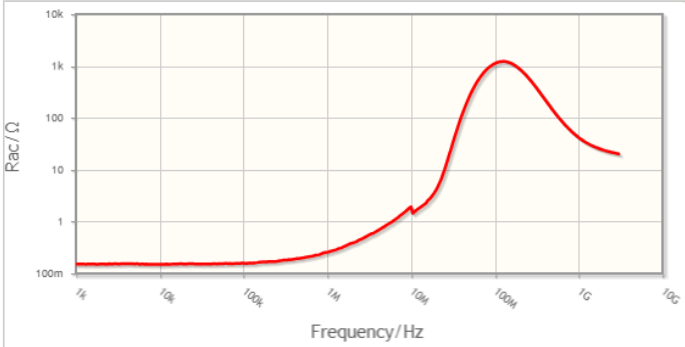
Rac



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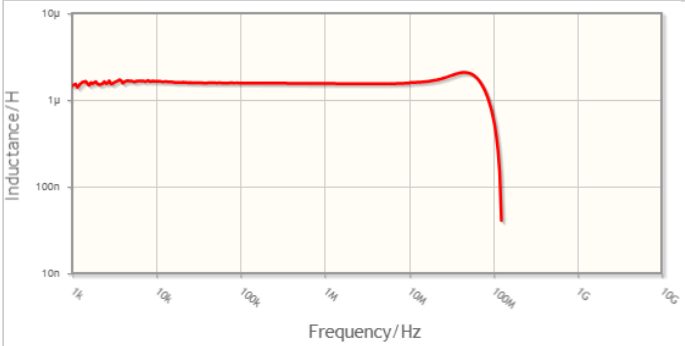
Inductance



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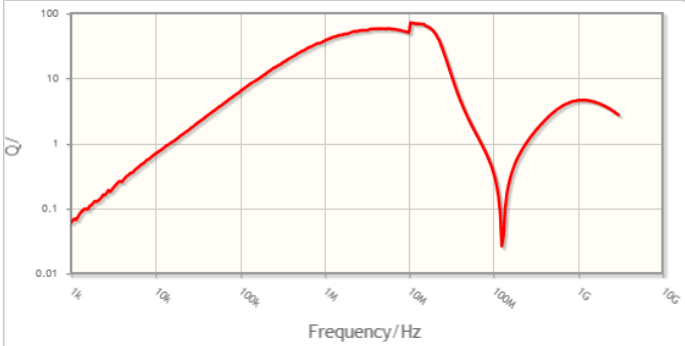
Q



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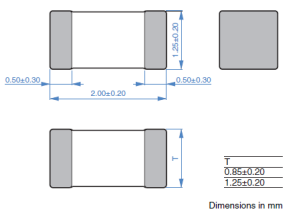
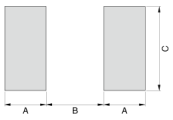
Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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