Creation Date : March 11, 2021 (GMT)

Inductors (Coils)

MLJ1005HXG91NJTD0B New

Product

RoHS | REACH SVHC-Free | Halogen Free | Lead Free

Applications	Commercial Grade
Feature	Shield Magnetic Shield Multilayer Multilayer Ferrite Core Ferrite Core
Series | Type	ML□
Status	Production
Brand	TDK



Size	
Length(L)	1.00mm ±0.10mm
Width(W)	0.60mm ±0.05mm
Thickness | Height	0.60mm ±0.05mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.66mm Nom.

Electrical Characteristics	
Inductance	91nH ±5% at 13.56MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	900mA (40°C Rise)
DC Resistance [Typ.]	
DC Resistance [Max.]	351mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	14

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000pcs
Weight	0.0018g

! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

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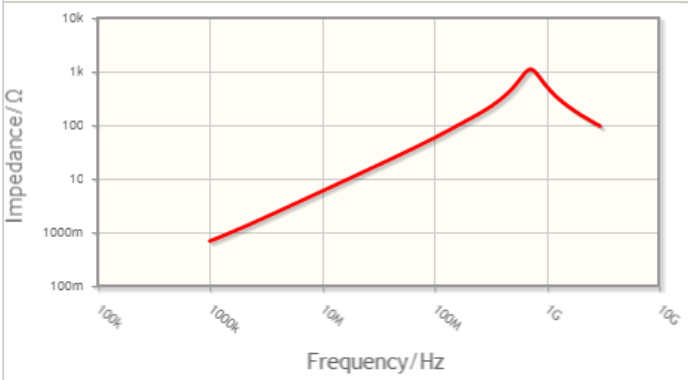
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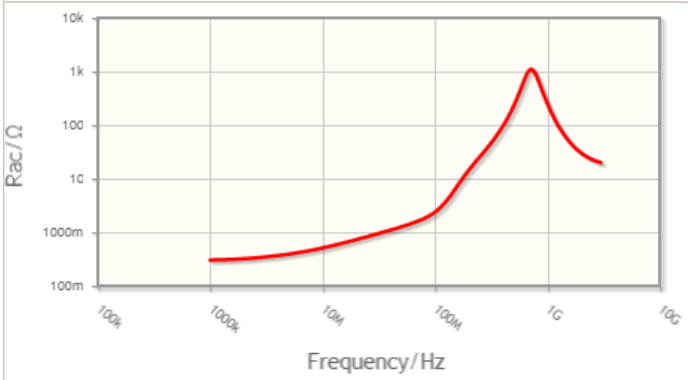
Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)

Impedance



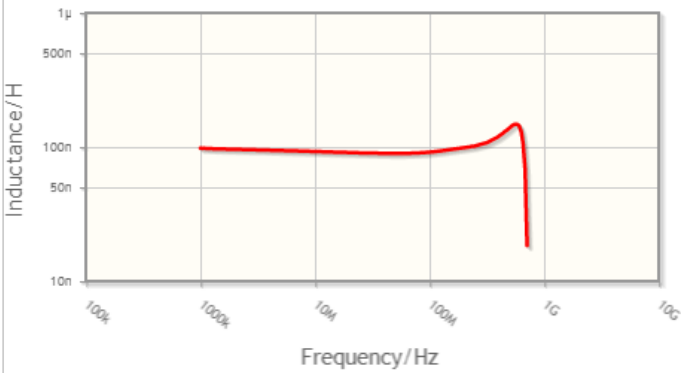
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Rac



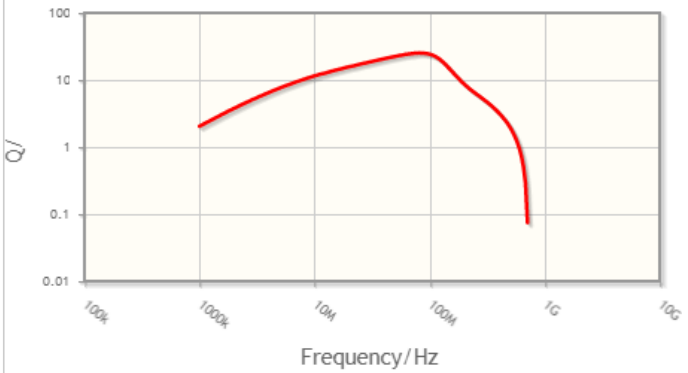
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Inductance



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Q



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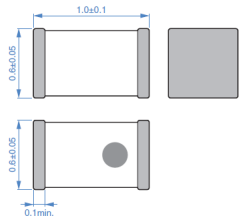
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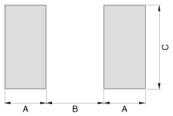
Associated Images

Shapes and Dimensions



Dimensions in mm

Land Pattern (Terminal Connection)



Dimensions in mm

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