SMD / SMT Inductors (Coils)

MLG0603S3N0CTD25

Product Status	Production
Applications	Automotive Grade
Feature	AEC-Q200AEC-Q200 MultilayerMultilayer Non-Mag CoreNon-Magnetic Core (Dielectric Ceramic)
Series | Type	MLG
Brand	TDK
Environmental Compliance	RoHS, REACH, Halogen Free, Lead Free

Size	
Length(L)	0.60mm ±0.03mm
Width(W)	0.30mm ±0.03mm
Thickness | Height	0.30mm ±0.03mm
Recommended Land Pattern (A)	0.25mm Nom.
Recommended Land Pattern (B)	0.30mm Nom.
Recommended Land Pattern (C)	0.30mm Nom.

Electrical Characteristics	
Inductance	3nH ±0.2nH at 100MHz
Rated Current	300mA
DC Resistance [Typ.]	200mΩ
DC Resistance [Max.]	300mΩ
Self Resonant Frequency [Min.]	6.2GHz
Self Resonant Frequency [Typ.]	7.8GHz
Q [Min.]	4 at 100MHz
Q [Typ.]	

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	15000pcs
Weight	0.0002g

! Images are for reference only and show exemplary products.
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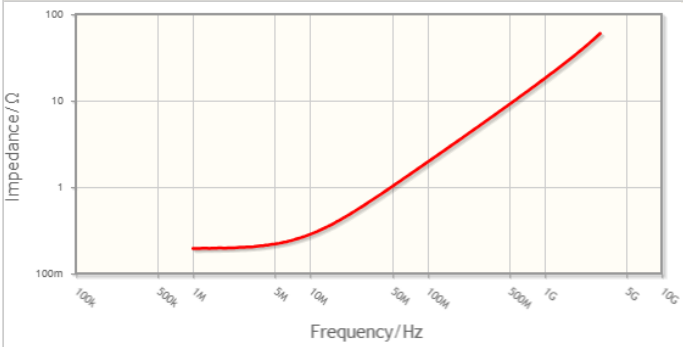
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



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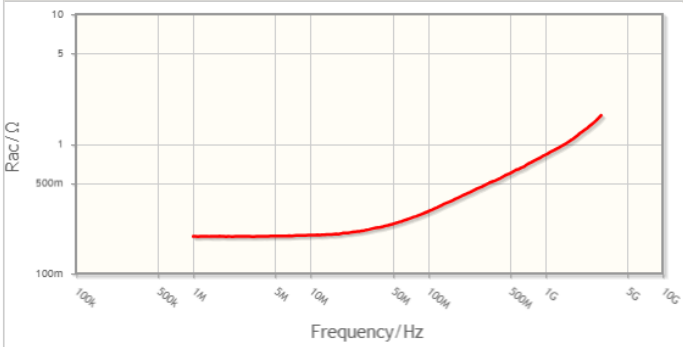
Rac



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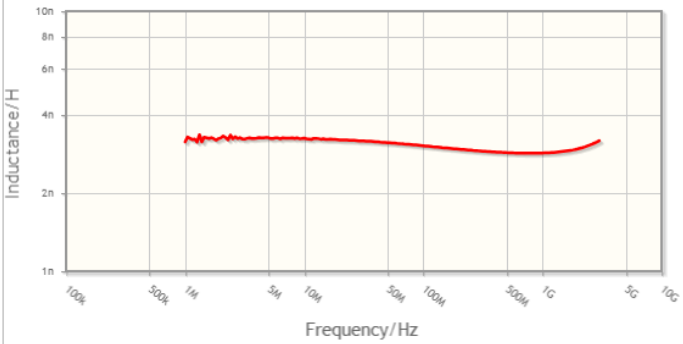
Inductance



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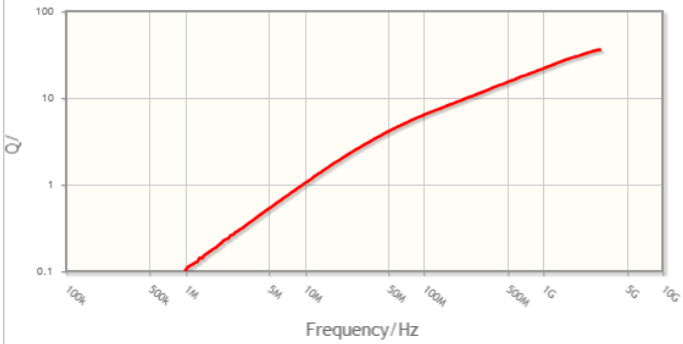
Q



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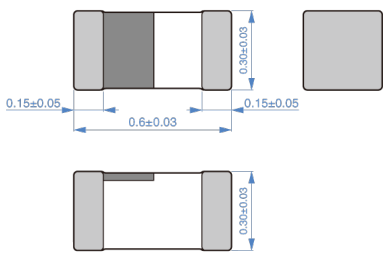
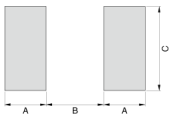
Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



Dimensions in mm

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