SMD / SMT Inductors (Coils)

MLG1608BR10JT000

Product Status	Obsolete Recommended Alternate Part No. : MHQ1005PR10JT000 (Interchangeability is not guaranteed.) Discontinue Issue Date : Nov.4, 2015 Last Purchase Order Date : Dec.29, 2016 Last Shipment Date : Jun.30, 2017
Applications	Commercial Grade
Feature	MultilayerMultilayer Non-Mag CoreNon-Magnetic Core (Dielectric Ceramic)
Series | Type	MLG
Brand	TDK
Environmental Compliance	RoHS, REACH SVHC Free, 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	100nH ±5% at 100MHz
Rated Current	300mA
DC Resistance [Typ.]	640mΩ
DC Resistance [Max.]	1Ω
Self Resonant Frequency [Min.]	800MHz
Self Resonant Frequency [Typ.]	1.2GHz
Q [Min.]	14 at 100MHz
Q [Typ.]	

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	4000pcs
Weight	0.004g

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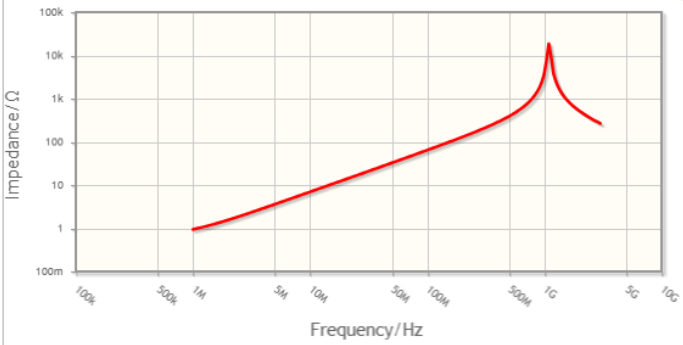
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



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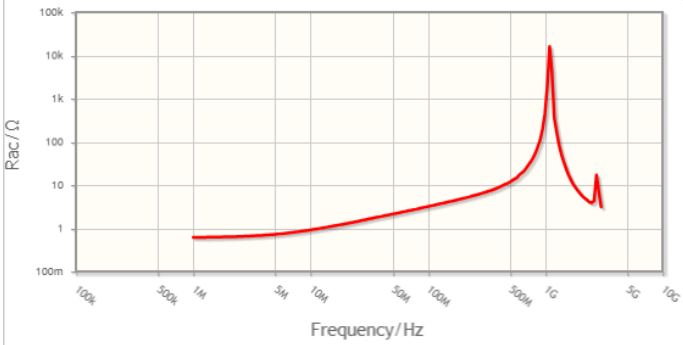
Rac



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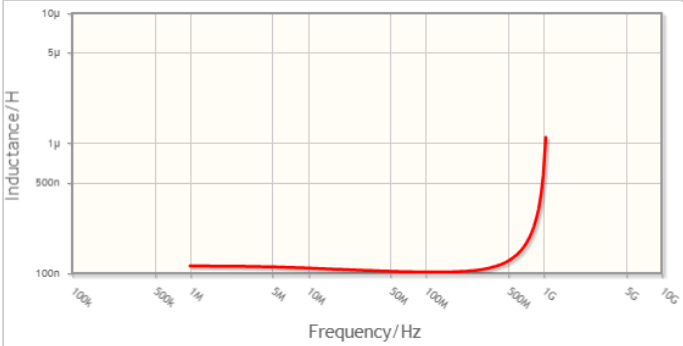
Inductance



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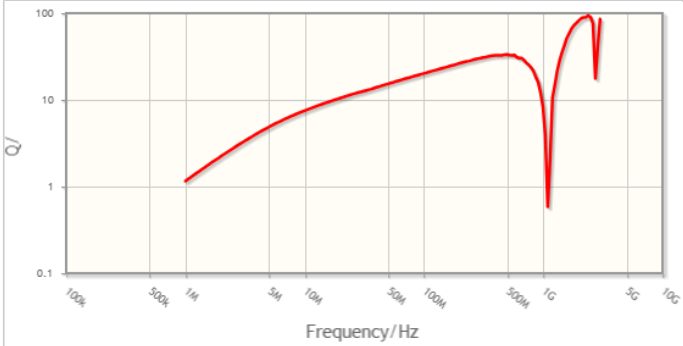
Q



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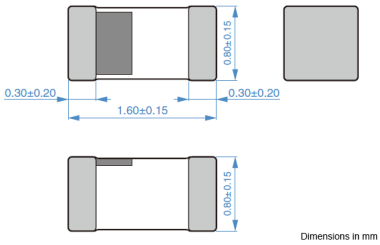
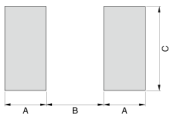
Associated Images

Shapes and Dimensions



Dimensions in mm

Land Pattern (Terminal Connection)



Dimensions in mm

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