Creation Date : May 04, 2025 (GMT)

SMD / SMT Inductors (Coils)

MLG0603P7N5HT000

RoHS REACH Halogen Free Lead Free

Applications	Commercial Grade
Feature	Multilayer Multilayer Non-Mag Core Non-Magnetic Core (Dielectric Ceramic) High Q High Q
Series | Type	MLG-P
Status	Production
Brand	TDK



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	7.5nH ±3% at 500MHz
Rated Current	300mA
DC Resistance [Typ.]	700mΩ
DC Resistance [Max.]	800mΩ
Self Resonant Frequency [Min.]	4GHz
Self Resonant Frequency [Typ.]	5.4GHz
Q [Min.]	14 at 500MHz
Q [Typ.]	16 at 500MHz

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	15000pcs
Weight	0.0002g

! Images are for reference only and show exemplary products.
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! All specifications are subject to change without notice.

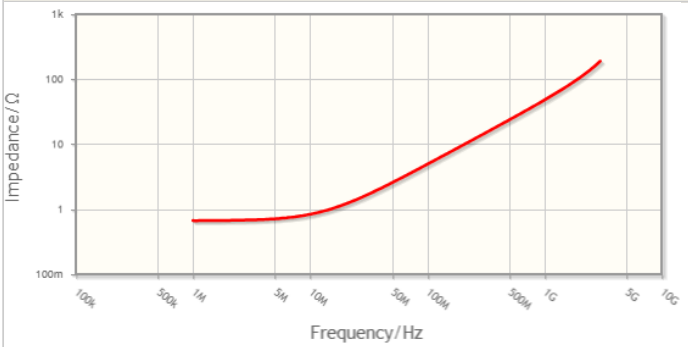
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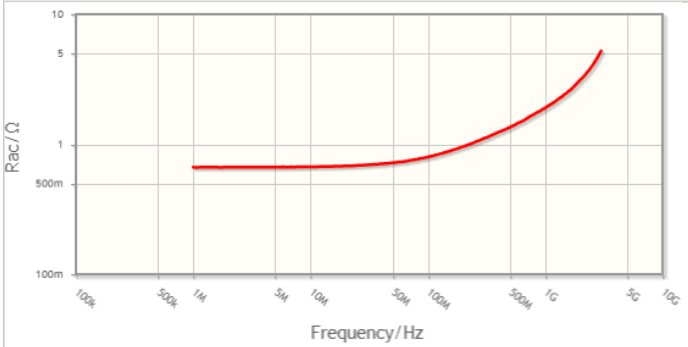
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



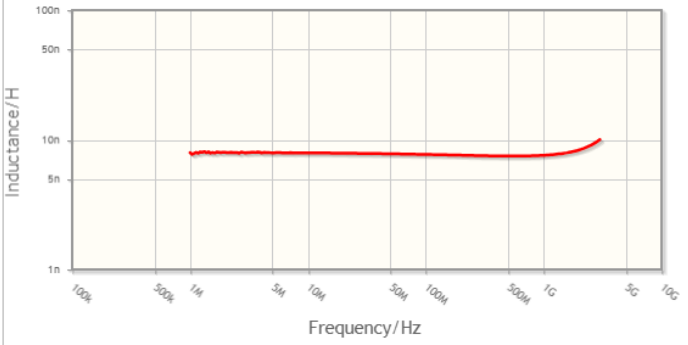
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Rac



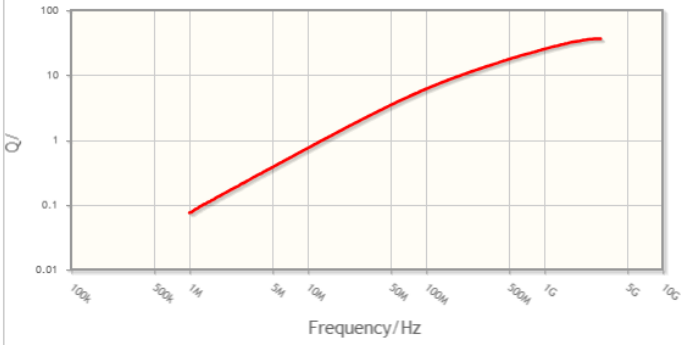
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Inductance



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Q



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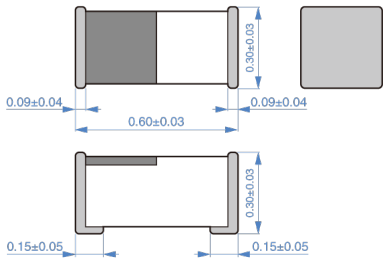
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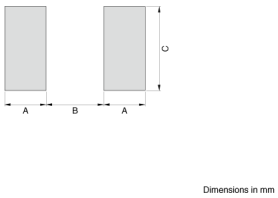
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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