Creation Date : September 05, 2024 (GMT)

SMD / SMT Inductors (Coils)

MHQ0603P6N8JT000

RoHS | REACH | Halogen Free | Lead Free

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

Size	
Length(L)	0.65mm ±0.05mm
Width(W)	0.35mm ±0.05mm
Thickness | Height	0.35mm ±0.05mm
Recommended Land Pattern (A)	0.25mm Nom.
Recommended Land Pattern (B)	0.30mm Nom.
Recommended Land Pattern (C)	0.30mm Nom.

Electrical Characteristics	
Inductance	6.8nH ±5% at 500MHz
Rated Current	300mA
DC Resistance [Typ.]	530mΩ
DC Resistance [Max.]	700mΩ
Self Resonant Frequency [Min.]	4GHz
Self Resonant Frequency [Typ.]	6.8GHz
Q [Min.]	16 at 500MHz
Q [Typ.]	

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-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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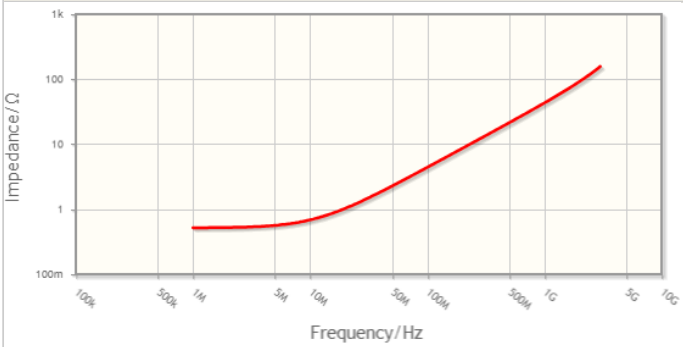
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



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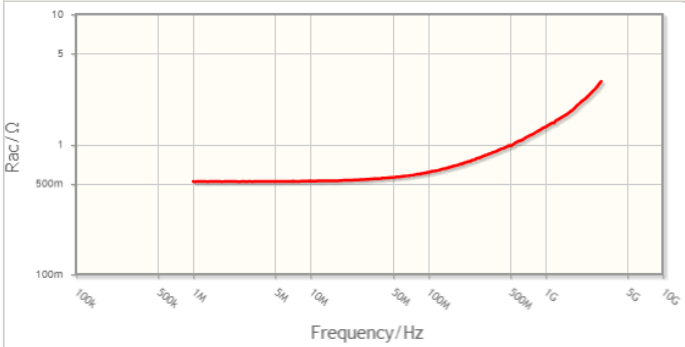
Rac



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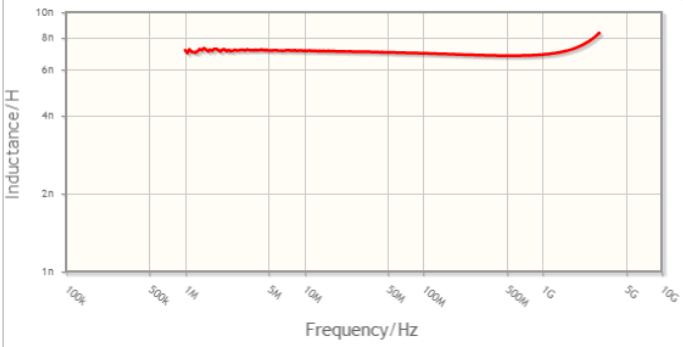
Inductance



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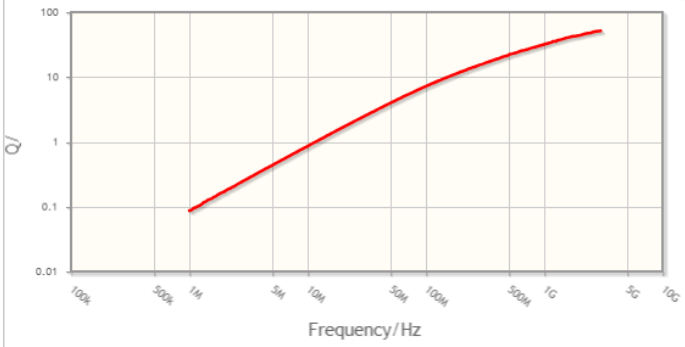
Q



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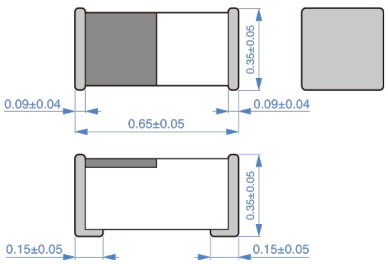
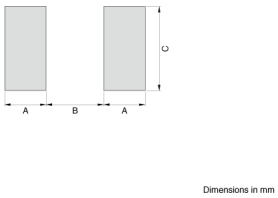
Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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