SMD / SMT Inductors (Coils)

MLP2012V1R5MT0S1

Product Status	Production
Applications	Commercial Grade
Feature	No DirectivityNo Directivity MultilayerMultilayer ShieldMagnetic Shield Ferrite CoreFerrite Core
Series | Type	MLP
Status	Production
Brand	TDK
Environmental Compliance	RoHS, REACH, Halogen Free, Lead Free



Size	
Length(L)	2.00mm ±0.20mm
Width(W)	1.25mm ±0.20mm
Thickness | Height	0.85mm ±0.15mm
Recommended Land Pattern (A)	0.80mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.20mm Nom.

Electrical Characteristics	
Inductance	1.5µH ±20% at 2MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	800mA (40°C Rise)
DC Resistance [Typ.]	230mΩ
DC Resistance [Max.]	300mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other	
Operating Temp. Range	-40 to 125°C
Soldering Method	Reflow Iron Soldering

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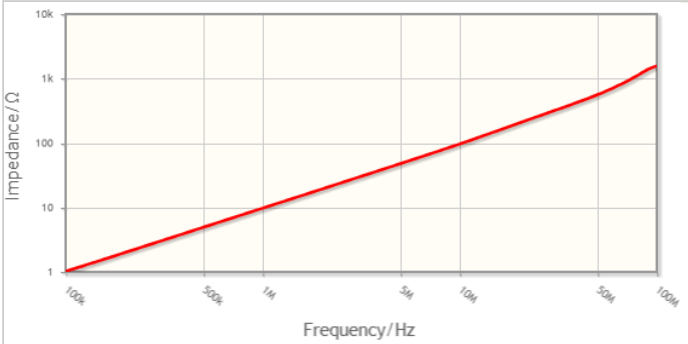
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs
Weight	0.01g
FIT (Failure In Time)	This will be displayed when you login to myTDK

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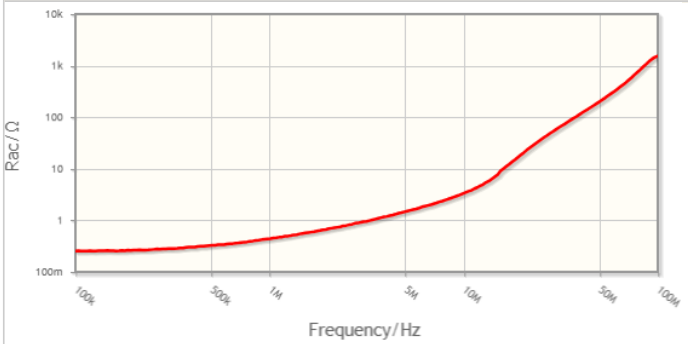
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



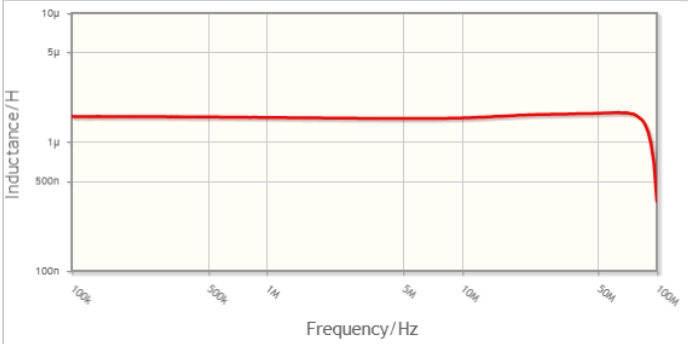
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Rac



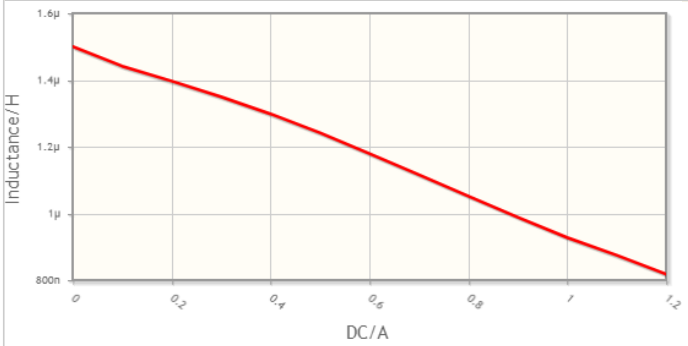
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Inductance



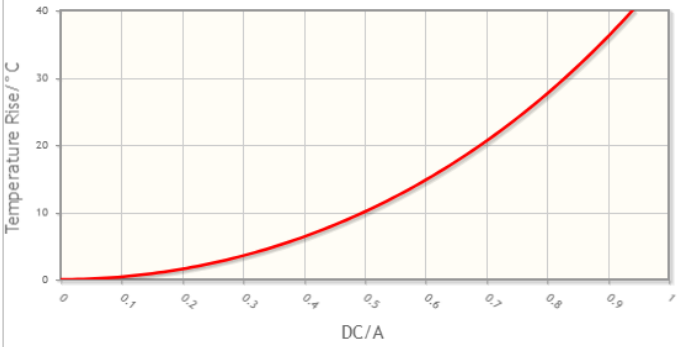
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DC Bias Characteristic



MLP2012V1R5MT0S1 (Amb. Temp. = 20 °C)

Temperature Rise by DC



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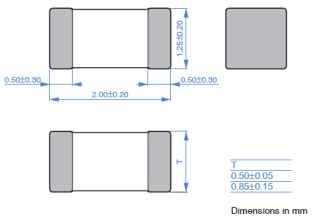
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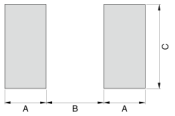
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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