SMD / SMT Inductors (Coils)

MLP2012V1R5MT0S1

RoHS Reach Halogen Free Pb Free

Applications		Commercial Grade
Feature		No Directivity No Directivity
		Multilayer Multilayer
		Shield Magnetic Shield
		Ferrite Core Ferrite Core
Series | Type		MLP
Status		Production
Brand		TDK

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
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

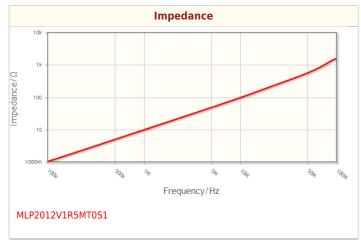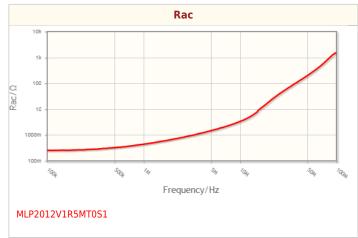| Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 125°C
Soldering Method	Reflow
	Iron Soldering
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs
Weight	0.01g

! Images are for reference only and show exemplary products.
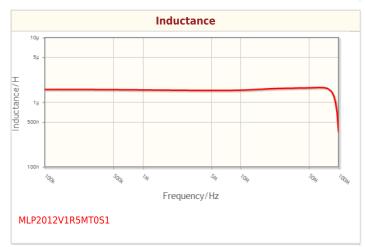! This PDF document was created based on the data listed on the TDK Corporation website.
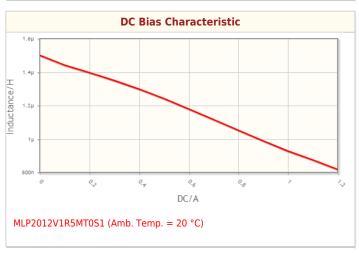! All specifications are subject to change without notice.

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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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DC Bias Characteristic

MLP2012V1R5MT0S1 (Amb. Temp. = 20 °C)

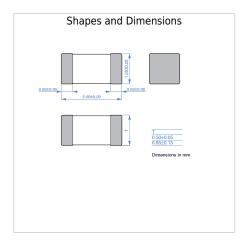### Temperature Rise by DC

MLP2012V1R5MT0S1 (Amb. Temp. = 20 °C)
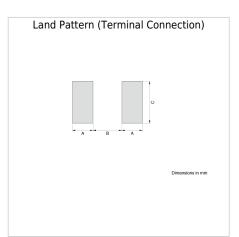
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Associated Images

Shapes and Dimensions

1.25±0.20
0.50±0.30
0.50±0.30
2.00±0.20

T
0.50±0.05
0.85±0.15

Dimensions in mm

Land Pattern (Terminal Connection)

A B A
C

Dimensions in mm

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