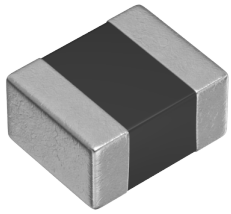
SMD / SMT Inductors (Coils)

MLP2520S4R7ST0S1

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



Size	
Length(L)	2.50mm ±0.15mm
Width(W)	2.00mm ±0.15mm
Thickness | Height	1.10mm ±0.10mm
Recommended Land Pattern (A)	0.70mm Nom.
Recommended Land Pattern (B)	1.40mm Nom.
Recommended Land Pattern (C)	2.00mm Nom.

Electrical Characteristics	
Inductance	4.7µH ±20% at 2MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	1A (40°C Rise)
DC Resistance [Typ.]	110mΩ
DC Resistance [Max.]	143mΩ
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
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]

! Images are for reference only and show exemplary products.
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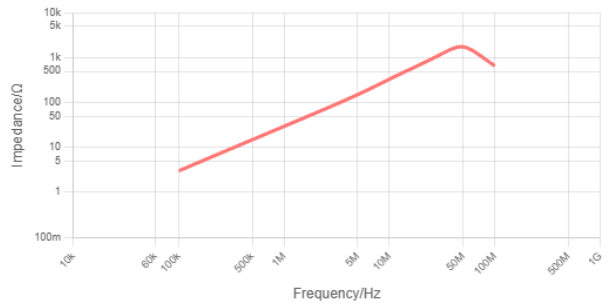
Package Quantity	3000pcs
Weight	0.025g
FIT (Failure In Time)	This will be displayed when you login to myTDK

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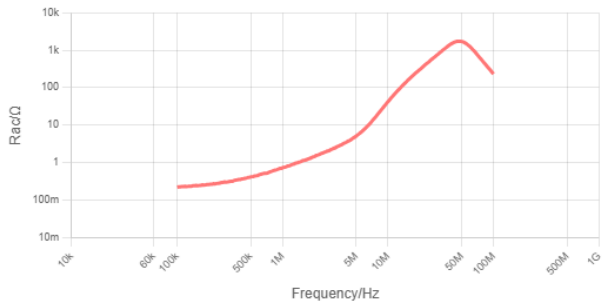
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



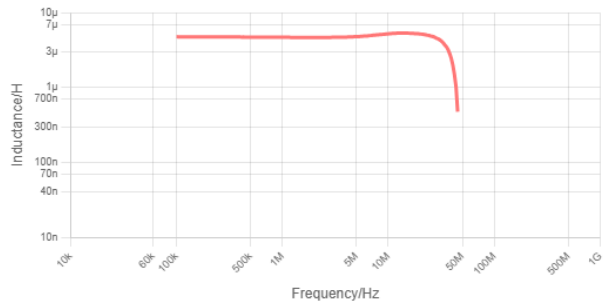
MLP2520S4R7ST0S1

Rac



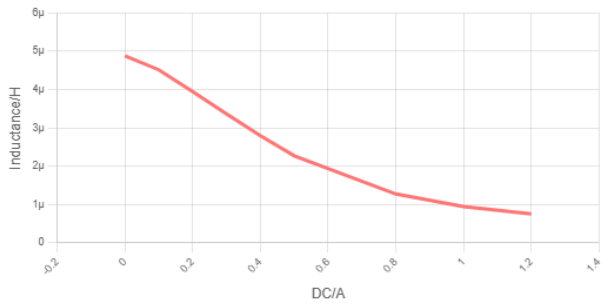
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Inductance



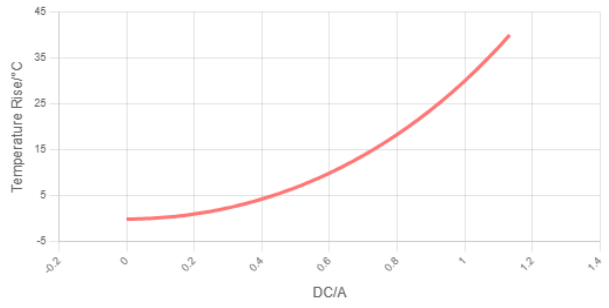
MLP2520S4R7ST0S1

DC Bias Characteristic



MLP2520S4R7ST0S1(Amb. Temp. = 20 °C)

Temperature Rise by DC



MLP2520S4R7ST0S1(Amb. Temp. = 20 °C)

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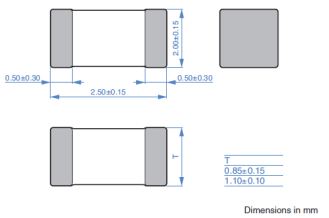
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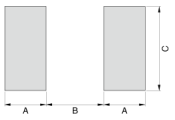
Associated Images

Shapes and Dimensions



Dimensions in mm

Land Pattern (Terminal Connection)



Dimensions in mm

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