

# Inductors (Coils)

Product Top Page Search by Part No. Search by Characteristics Cross Reference Catalog Tech Note Technical Support Tool FAQ

**MLP2520H4R7ST0S1**

**Applications** Commercial Grade

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**Feature**

- Multilayer Multilayer
- Shield Magnetic Shield
- Ferrite Core Ferrite Core

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**Series** MLP

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**Status** Production (Not Recommended for New Design)  
Recommended Alternate Part No. : [MLP2520W4R7MT0S1](#)



Images are for reference only and show exemplary products.

PDF file of this page

Contact

- Documents**
- Catalog
  - RoHS Certificate
  - SVHC/REACH Certificate
  - Product Lineup

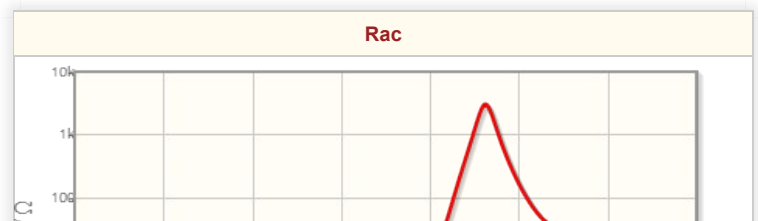
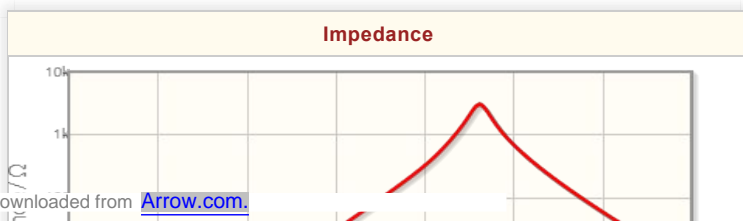
- Technical Support Tools**
- S-parameter
  - SPICE Netlist (Simple)
  - Equivalent Circuit Model
  - DC Bias/Superimposition Model (HSPICE)

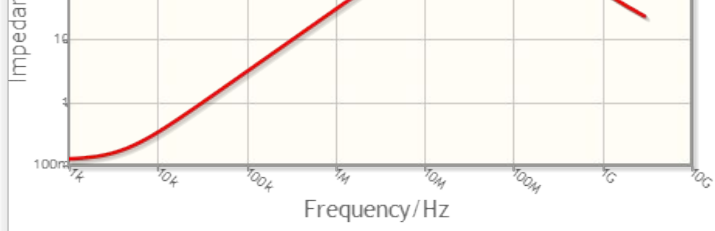
Size	
Length(L)	2.50mm ±0.15mm
Width(W)	2.00mm ±0.15mm
Thickness(T)	1.10mm ±0.10mm
Recommended Land Pattern (A)	0.70mm Nom.
Recommended Land Pattern (B)	1.40mm Nom.
Recommended Land Pattern (C)	2.00mm Nom.

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.]	130mΩ
DC Resistance [Max.]	169mΩ
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	Blister (Plastic)Taping [180mm Reel]
Package Quantity	3000pcs
Weight	0.025g

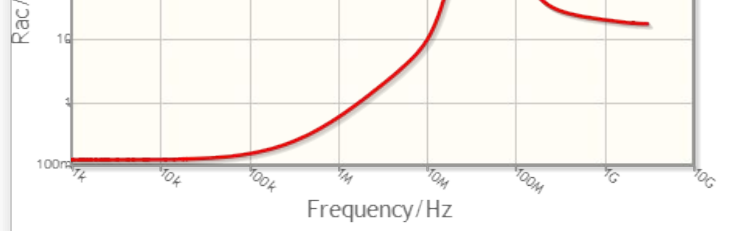
## Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)





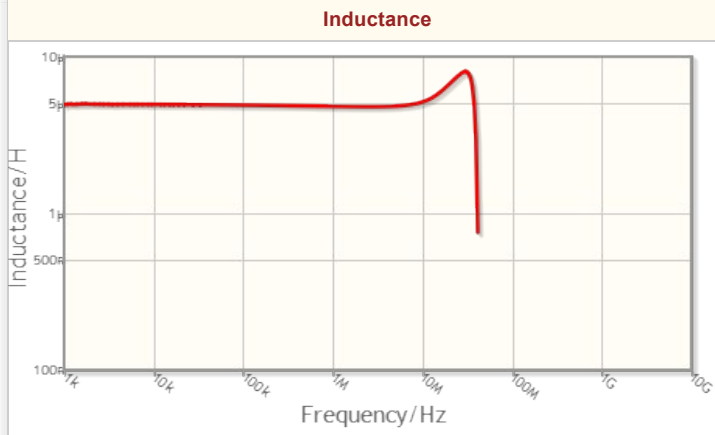
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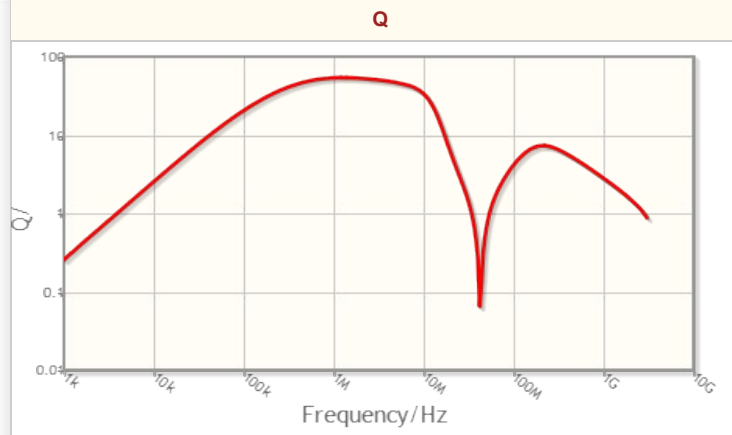
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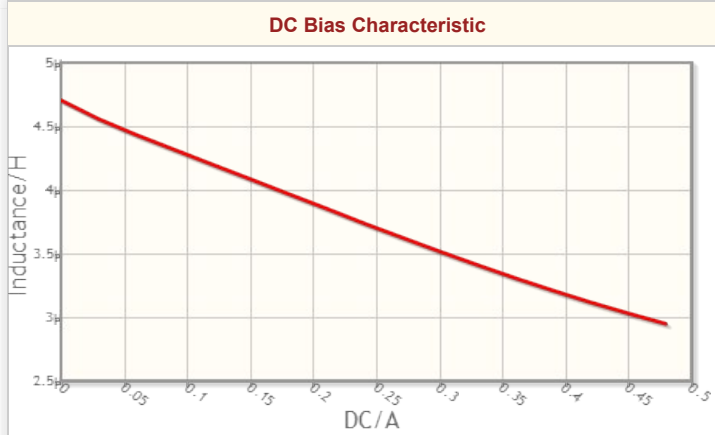
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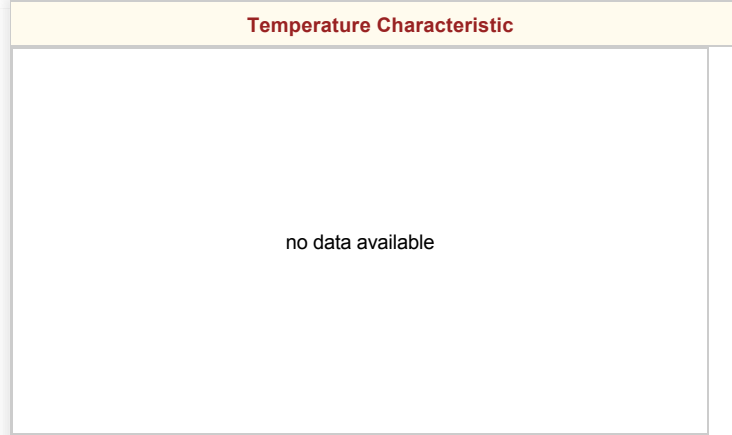
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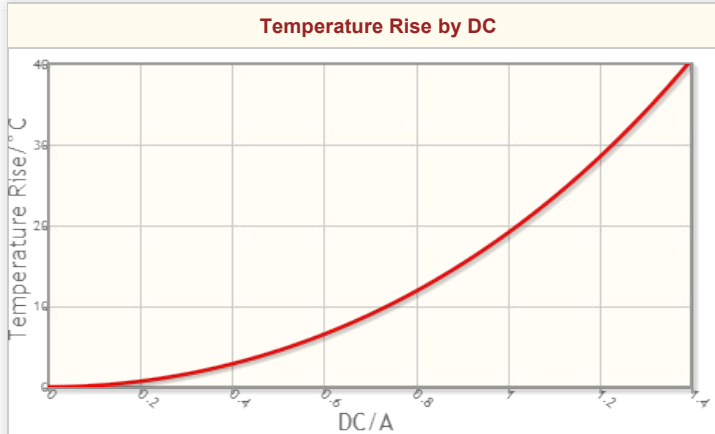


MLP2520H4R7ST0S1(Amb. Temp. = 20 °C)

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MLP2520H4R7ST0S1(Amb. Temp. = 20 °C)

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- » RF / SAW Components and Modules
- » Voltage / Current / Temperature Protection Devices
- » Sensors and Sensor Systems
- » Ceramic Switching / Heating, Piezo Components and Buzzers
- » Transformers
- » Ferrites and Accessories
- » Noise Suppressing / Magnetic Sheet
- » Anechoic Chambers and Radio Wave Absorbers
- » Power Supplies
- » Magnets
- » Flash Storages
- » Wireless Charging
- » FA Systems
- » Transparent Conductive Film
- » Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB)
- » Solar Cells
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