

Inductors (Coils)

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FAQ

MLP2520W4R7MT0S1



Applications



Commercial Grade

Feature

Shield

Magnetic Shield

Multilayer

Multilayer

Ferrite Core

Ferrite Core

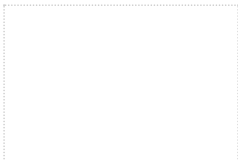
Series

MLP

Status



Production



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

Size

Length(L)	2.50mm ±0.15mm
Width(W)	2.00mm ±0.15mm
Thickness(T)	0.85mm ±0.15mm
Recommended Land Pattern (A)	0.70mm Nom.
Recommended Land Pattern (B)	1.40mm Nom.
Recommended Land Pattern (C)	2.00mm Nom.

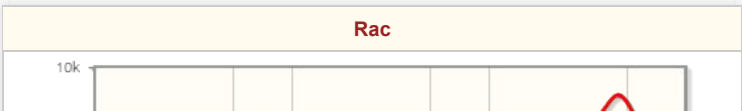
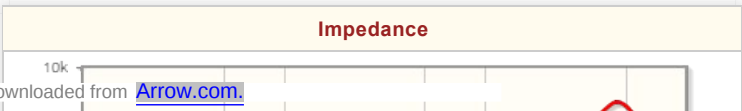
Electrical Characteristics

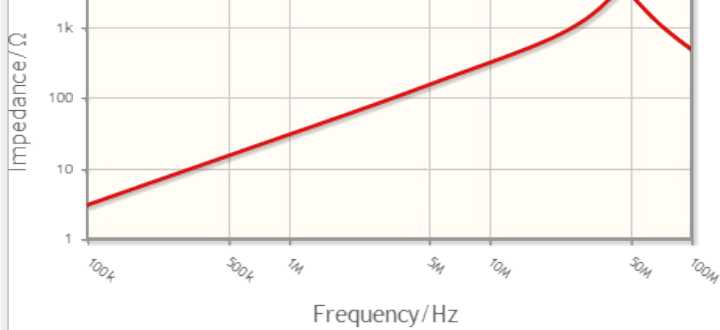
Inductance	4.7μH ±20% at 2MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	1.2A (40°C Rise)
DC Resistance [Typ.]	150mΩ
DC Resistance [Max.]	195mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [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	0.015g

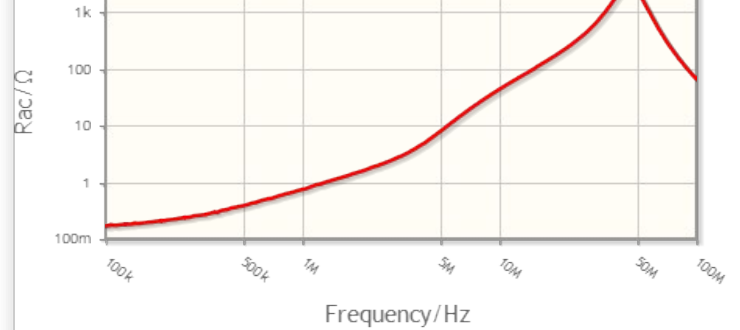
Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)





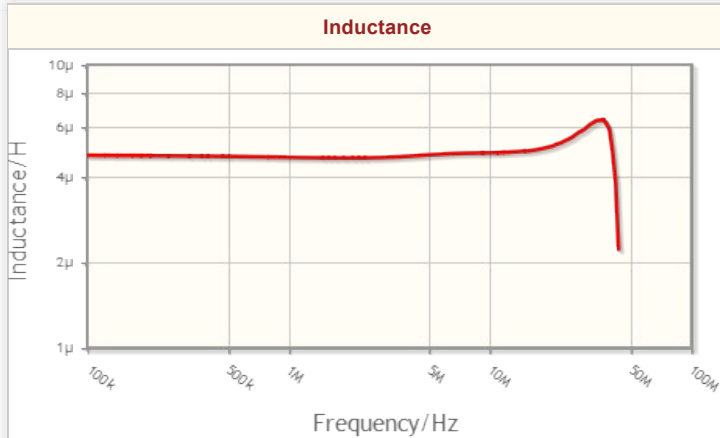
MLP2520W4R7MT0S1

Change settings



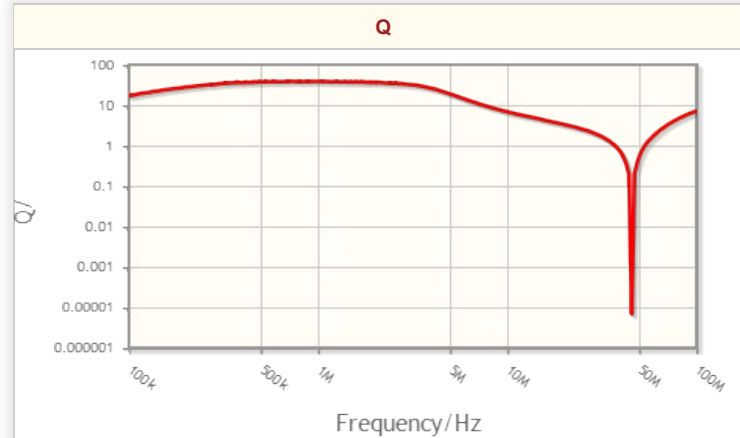
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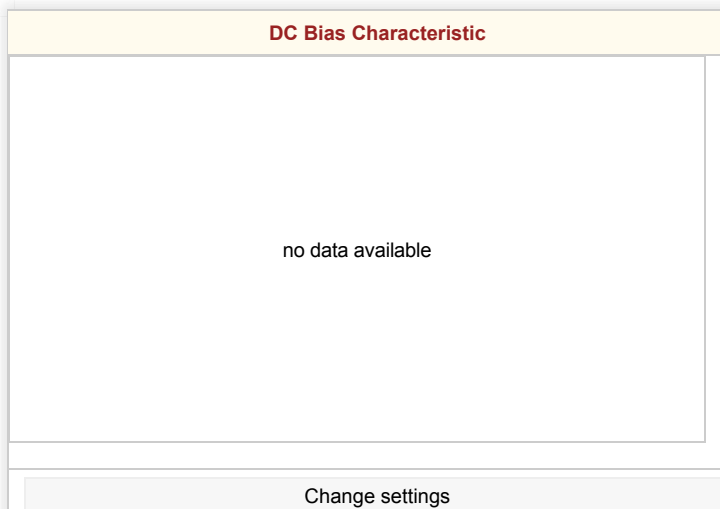
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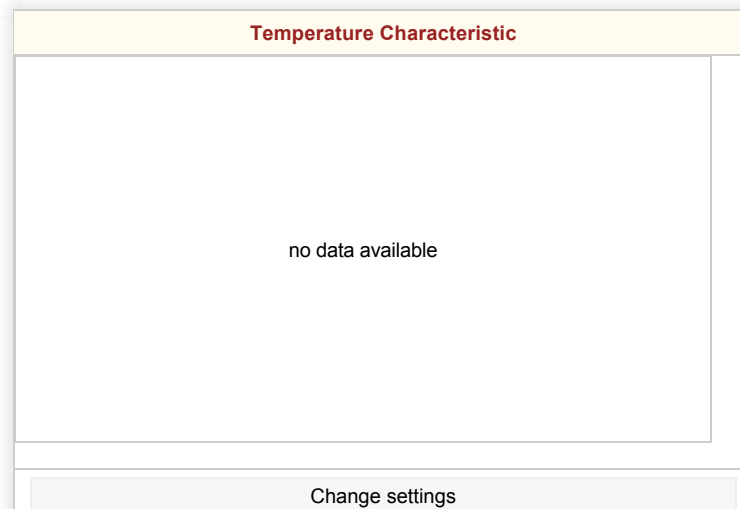
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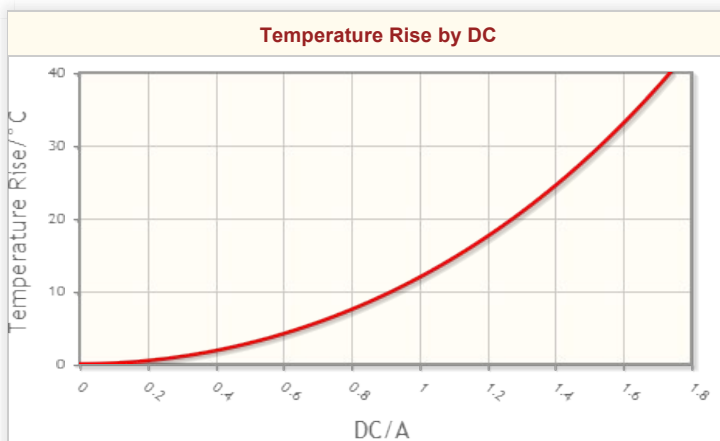
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MLP2520W4R7MT0S1(Amb. Tem
p. = 20 $^{\circ}$ C)

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| » Inductors (Coils) | » Power Supplies |
| » EMC Components | » Magnets |
| » RF Components and Modules | » Flash Storages |
| » Voltage / Current / Temperature Protection Devices | » Wireless Power Transfer |
| » Sensors and Sensor Systems | » FA Systems |
| » Ceramic Switching / Heating, Piezo Components, | » Transparent Conductive Film |
| Buzzers and Microphones | » Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB) |
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