

Inductors (Coils)

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MLP2520W3R3MT0S1

Applications  Commercial Grade

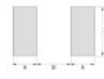
Feature

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

Series | Type MLP

Status  Production (Not Recommended for New Design)
Recommended Alternate Part No. : [MLP2520V3R3MT0S1](#) (Interchangeability is not guaranteed.)

Brand TDK



Images are for reference only and show exemplary products.

Size

Length(L)	2.50mm ±0.15mm
Width(W)	2.00mm ±0.15mm
Thickness Height	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	3.3µH ±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.]	160mΩ
DC Resistance [Max.]	208mΩ
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





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Documents

-  Catalog [Update](#)
-  RoHS Certificate
-  SVHC/REACH Certificate [Update](#)
-  Product Lineup
-  [Selection Guide] Inductors for Power Circuits (Automotive Grade) [Update](#)
-  [Selection Guide] Inductors for Power Circuits (Commercial Grade) [Update](#)
-  [Application Note] Selection Guide for Power Inductors in Consideration of Leakage Flux
-  [Solution Guide] Solutions for silencing DC-DC converters - Measures Against Acoustic Noise in Power Inductors

Technical Support Tools

-  S-parameter
-  SPICE Netlist (Simple)
-  Equivalent Circuit Model

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

Impedance

MLP2520W3R3MT0S1

Change settings

Rac

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Change settings

Inductance

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Change settings

Q

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DC Bias Characteristic

no data available

Change settings

Temperature Characteristic

no data available

Change settings

Temperature Rise by DC

Change settings



[Selection Guides](#) [Search by Part No.](#) [Search by Characteristics](#) [Distributor Inventory Check](#) [Cross Reference](#)

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