

## MLP2520V4R7MT0S1

Product Status	Production
Applications	Commercial Grade
Feature	No Directivity Multilayer Shield Ferrite Core
Series   Type	MLP
Brand	TDK
Environmental Compliance	 RoHS  REACH  Halogen Free  Lead Free



Size	
Length(L)	2.50mm $\pm 0.15$ mm
Width(W)	2.00mm $\pm 0.15$ mm
Thickness   Height	0.85mm $\pm 0.15$ mm
Recommended Land Pattern (A)	0.70mm Nom.
Recommended Land Pattern (B)	1.40mm Nom.
Recommended Land Pattern (C)	2.00mm Nom.

Electrical Characteristics	
Inductance	4.7 $\mu$ H $\pm 20\%$ 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.]	240m $\Omega$
DC Resistance [Max.]	312m $\Omega$
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.

! This PDF document was created based on the data listed on the TDK Corporation website.

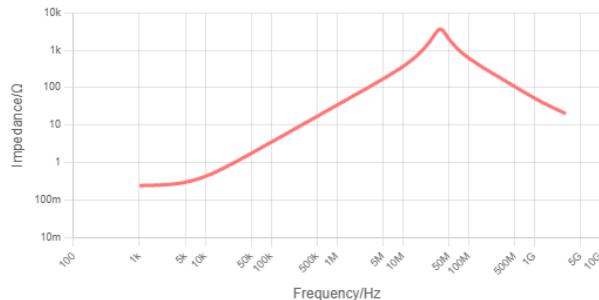
! All specifications are subject to change without notice.

Package Quantity	3000pcs
Weight	0.015g
FIT (Failure In Time)	 This will be displayed when you <a href="#">login</a> to myTDK

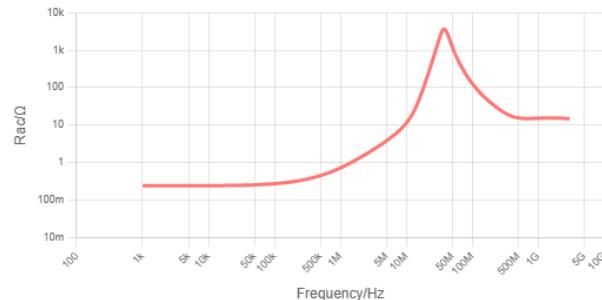
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## Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)

## Impedance

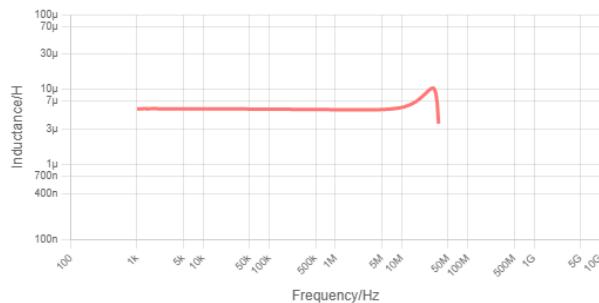


● MLP2520V4R7MT051

R<sub>AC</sub>

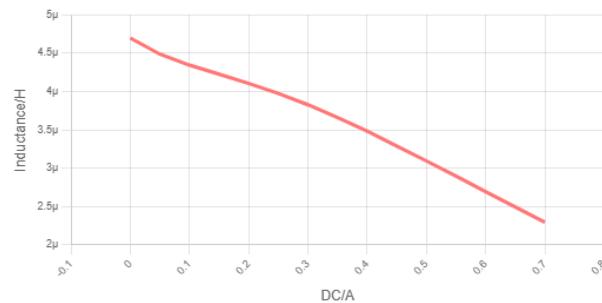
● MLP2520V4R7MT051

## Inductance

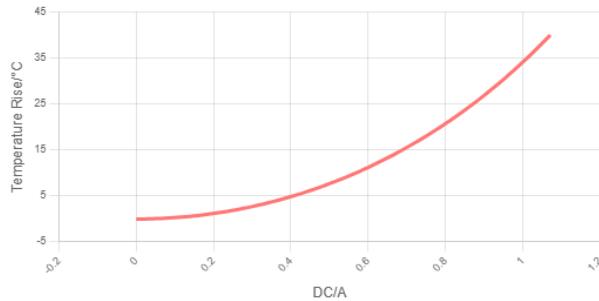


● MLP2520V4R7MT051

## DC Bias Characteristic

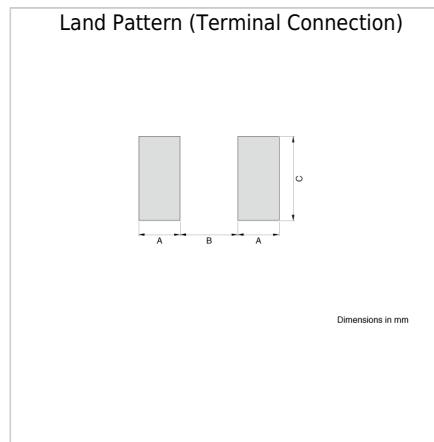
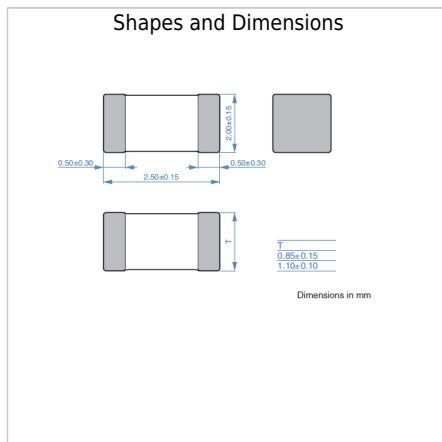
● MLP2520V4R7MT051(Amb.  
Temp. = 20 °C)

## Temperature Rise by DC

● MLP2520V4R7MT051(Amb.  
Temp. = 20 °C)

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## Associated Images



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