

## MLP2520H4R7MT0S1

|                          |   |
|--------------------------|---|
| Product Status           | Production  |
| Applications             | Commercial Grade  |
| Feature                  | No Directivity<br>Multilayer<br>Shield<br>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.] | 1A (40°C Rise)                 |
| DC Resistance [Typ.]                    | 130m $\Omega$                  |
| DC Resistance [Max.]                    | 169m $\Omega$                  |
| 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<br>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.

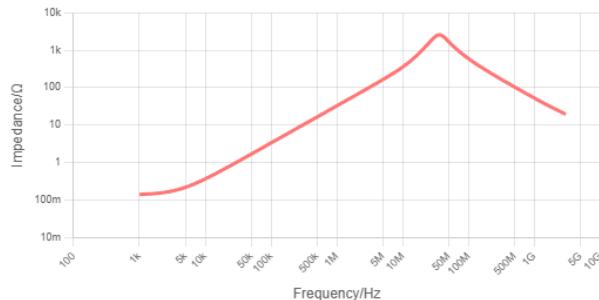
! All specifications are subject to change without notice.

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

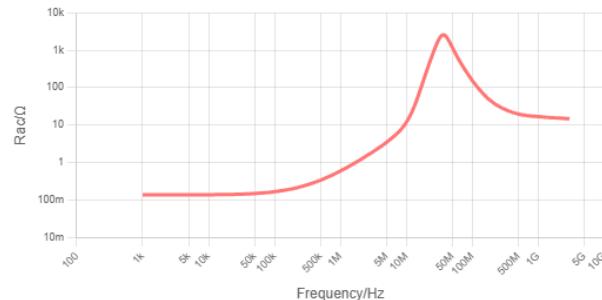
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## Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)

## Impedance

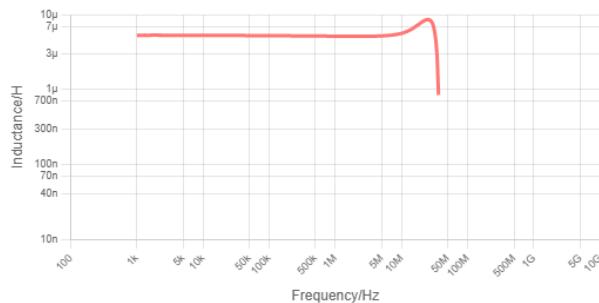


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R<sub>AC</sub>

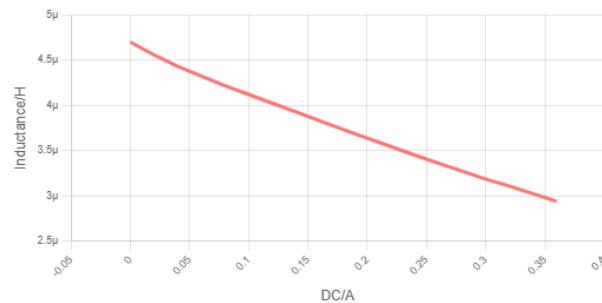
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## Inductance

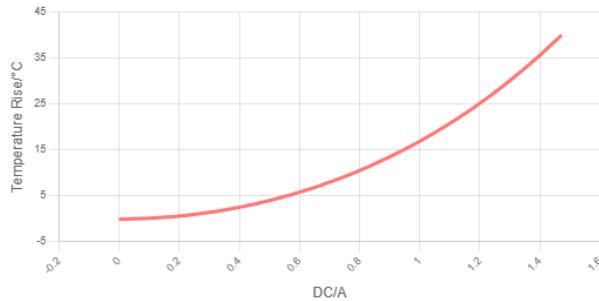


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## DC Bias Characteristic

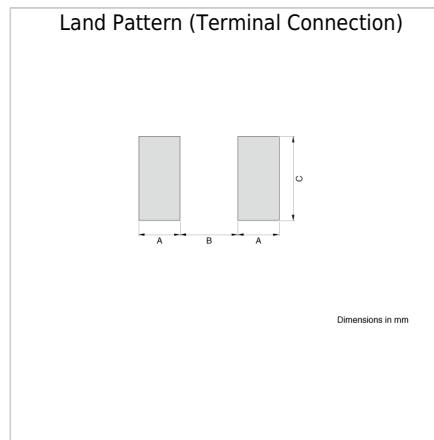
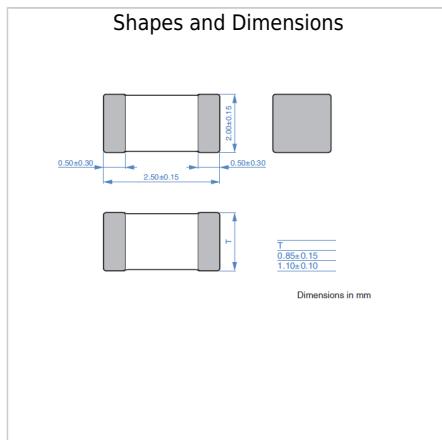
● MLP2520H4R7MT0S1(Amb.  
Temp. = 20 °C)

## Temperature Rise by DC

● MLP2520H4R7MT0S1(Amb.  
Temp. = 20 °C)

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## Associated Images



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