

Production (NRND)

Product Status Recommended Alternate Part No. : [MLZ2012DR47DT000](#) (Interchangeability is not guaranteed.)

Applications Commercial Grade

Multilayer Multilayer

Feature **Shield** Magnetic Shield
Ferrite Core Ferrite Core

Series | Type MLZ

Brand TDK

Environmental Compliance  RoHS  REACH  Halogen Free  Lead Free



Size

Length(L)	2.00mm ± 0.20 mm
Width(W)	1.25mm ± 0.20 mm
Thickness Height	1.25mm ± 0.20 mm
Recommended Land Pattern (A)	0.80mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.20mm Nom.

Electrical Characteristics

Inductance	470nH $\pm 20\%$ at 25MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	550mA (50% Down)
Rated Current (Temperature Rise) [Typ.]	550mA (20°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	180m Ω
DC Resistance [Max.]	234m Ω
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other

Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	NO

! Images are for reference only and show exemplary products.

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

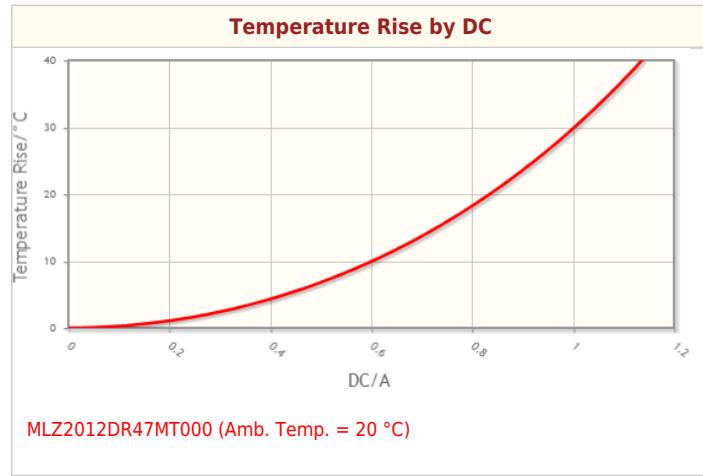
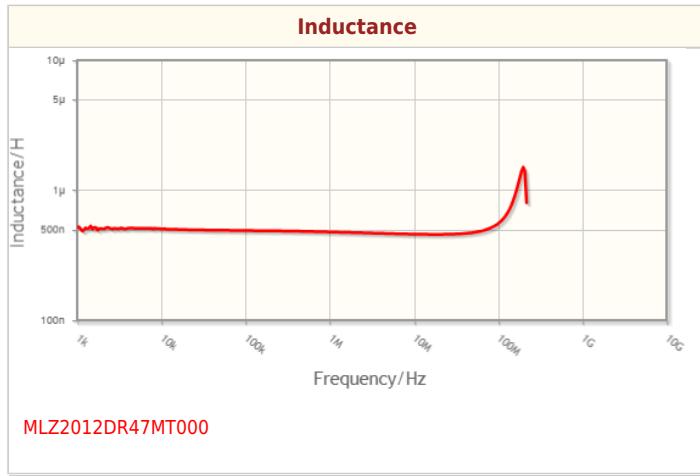
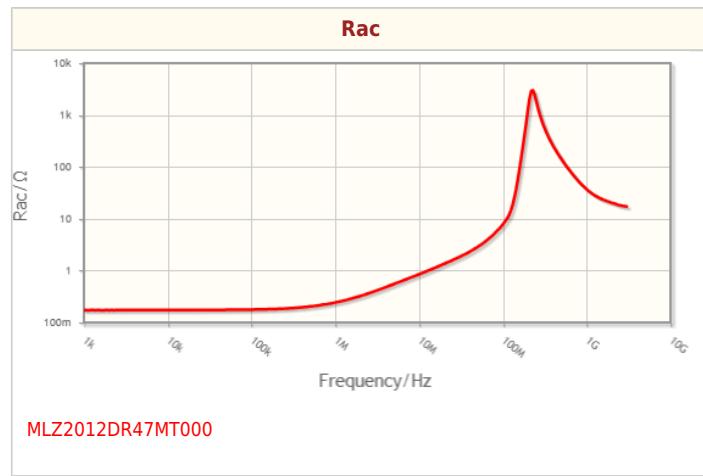
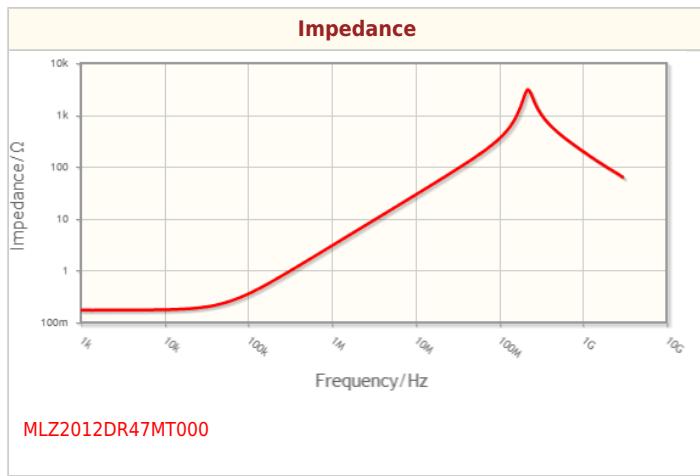
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Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.014g

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MLZ2012DR47MT000

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



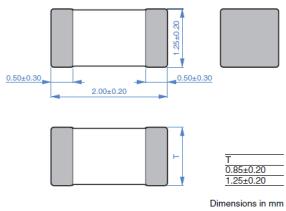
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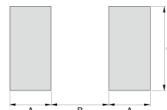
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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