

Inductors (Coils)

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MLZ1608A1R0MT000



Applications Commercial Grade

Shield Magnetic Shield

Feature **Multilayer** Multilayer

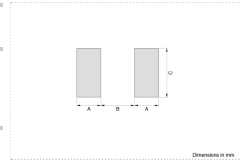
Ferrite Core Ferrite Core

Series | Type MLZ

Status Production (Not Recommended for New Design)

Recommended Alternate Part No. : [MLZ1608A1R0WT000](#)

Brand TDK



Images are for reference only and show exemplary products.

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Contact

Documents
 Product Lineup

Size	
Length(L)	1.60mm ±0.15mm
Width(W)	0.80mm ±0.15mm
Thickness(T)	0.80mm ±0.15mm
Recommended Land Pattern (A)	0.60mm Nom.
Recommended Land Pattern (B)	0.80mm Nom.
Recommended Land Pattern (C)	0.80mm Nom.

Electrical Characteristics	
Inductance	1μH ±20% at 10MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	150mA (50% Down)
Rated Current (Temperature Rise) [Typ.]	150mA (20°C Rise)
Rated Current (Temperature Rise) [Max.]	150mA (20°C Rise)
DC Resistance [Typ.]	170mΩ
DC Resistance [Max.]	221mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

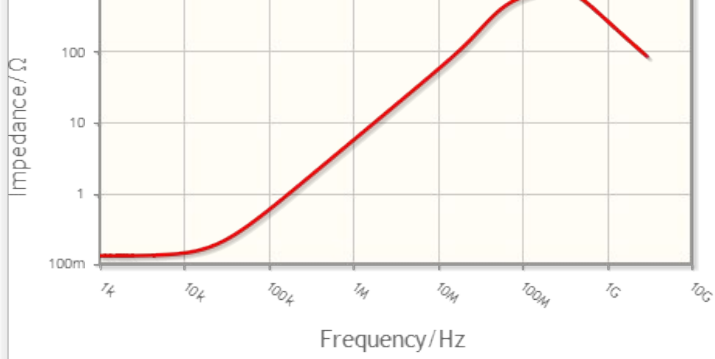
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C
Soldering Method	Wave (Flow) Reflow Iron Soldering
AEC-Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs
Weight	0.004g

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

Impedance

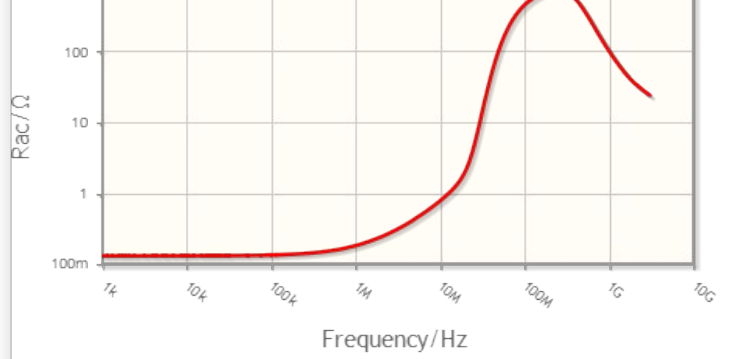
Rac

1k



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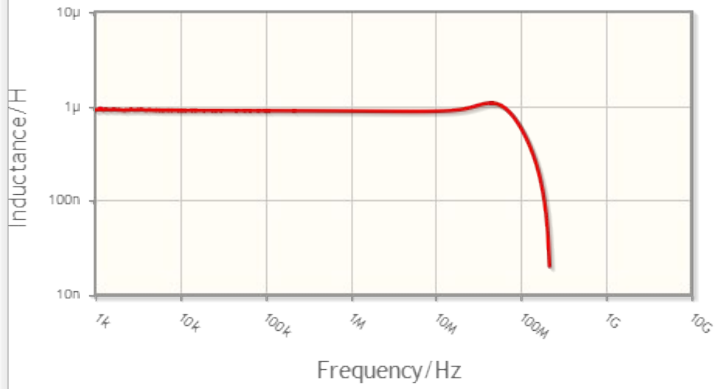
Change settings



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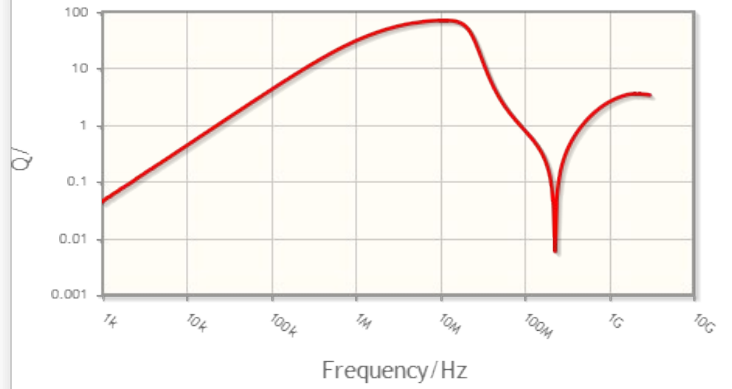
Inductance



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Q



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DC Bias Characteristic

no data available

Change settings

Temperature Characteristic

no data available

Change settings

Temperature Rise by DC

no data available

Change settings

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