TDK

Inductors (Coils)

MLZ2012N220LT000

RoHS | REACH SVHC-Free | Halogen Free | Lead Free

Applications		Commercial Grade
Feature		Shield Magnetic Shield
		Multilayer Multilayer
		Ferrite Core Ferrite Core
Series | Type		MLZ
Status		Production
Brand		TDK

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

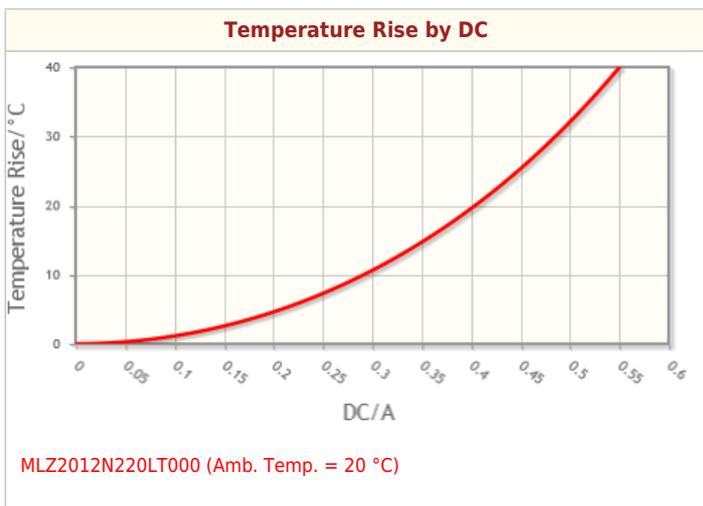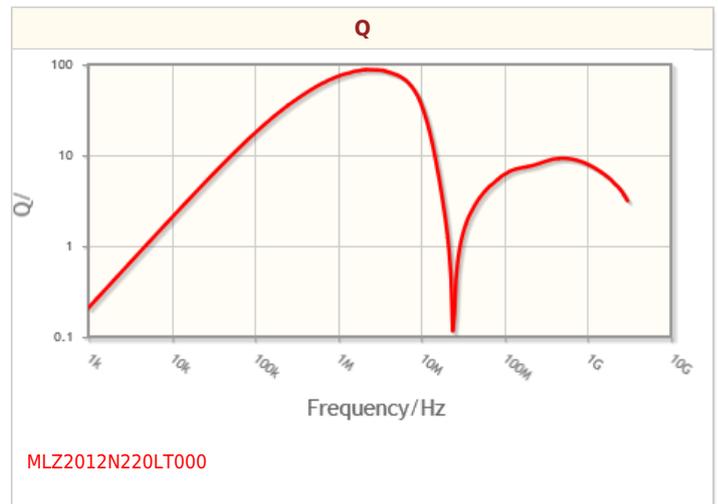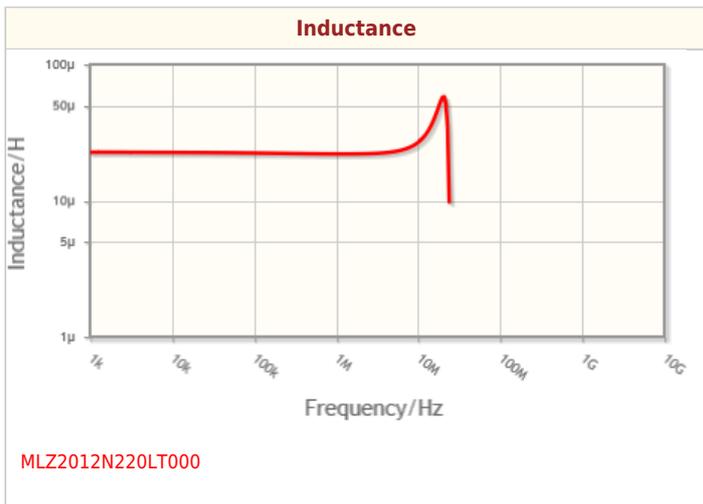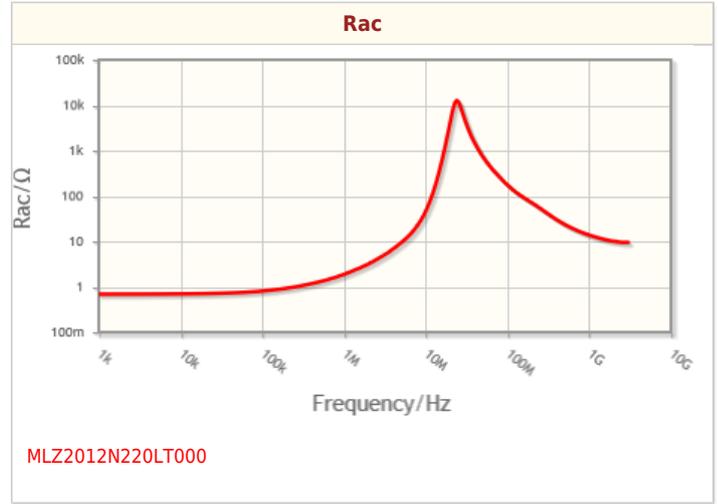| Electrical Characteristics	
Inductance	22µH ±20% at 2MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	70mA (50% Down)
Rated Current (Temperature Rise) [Typ.]	300mA (20°C Rise)
Rated Current (Temperature Rise) [Max.]	70mA (20°C Rise)
DC Resistance [Typ.]	670mΩ
DC Resistance [Max.]	871mΩ
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	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.014g

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

Impedance

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Rac

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Inductance

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Q

MLZ2012N220LT000

Temperature Rise by DC

MLZ2012N220LT000 (Amb. Temp. = 20 °C)

! 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.

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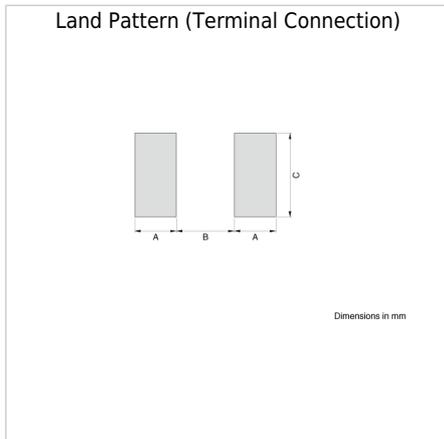Inductors (Coils)

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Associated Images

Land Pattern (Terminal Connection)

C

A   B   A

Dimensions in mm

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