

MLG1005S27NHTD25

**Applications**

Automotive Grade

AEC-Q200

AEC-Q200

**Feature**

Multilayer

Multilayer

Non-Mag Core

Non-Magnetic Core (Dielectric Ceramic)

**Series | Type**

MLG

**Status**

Production

**Brand**

TDK

**Size**

Length(L)	1.00mm $\pm$ 0.05mm
Width(W)	0.50mm $\pm$ 0.05mm
Thickness   Height	0.50mm $\pm$ 0.05mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

**Electrical Characteristics**

Inductance	27nH $\pm$ 3% at 100MHz
Rated Current	300mA
DC Resistance [Typ.]	530m $\Omega$
DC Resistance [Max.]	800m $\Omega$
Self Resonant Frequency [Min.]	1.6GHz
Self Resonant Frequency [Typ.]	2GHz
Q [Min.]	8 at 100MHz
Q [Typ.]	11 at 100MHz

**Other**

Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	10000pcs
Weight	0.001g

! Images are for reference only and show exemplary products.

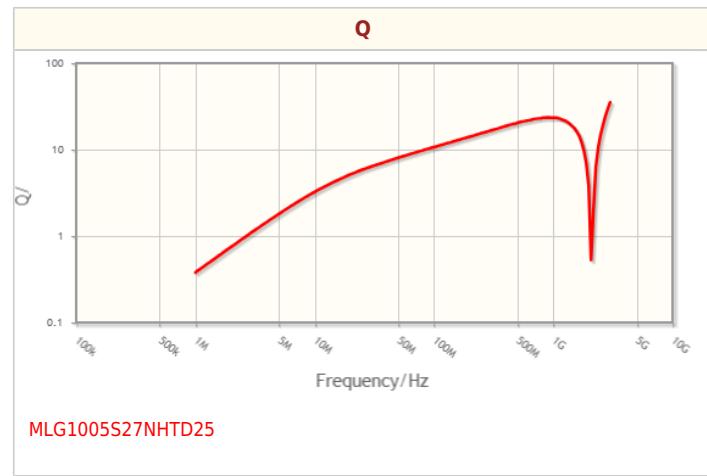
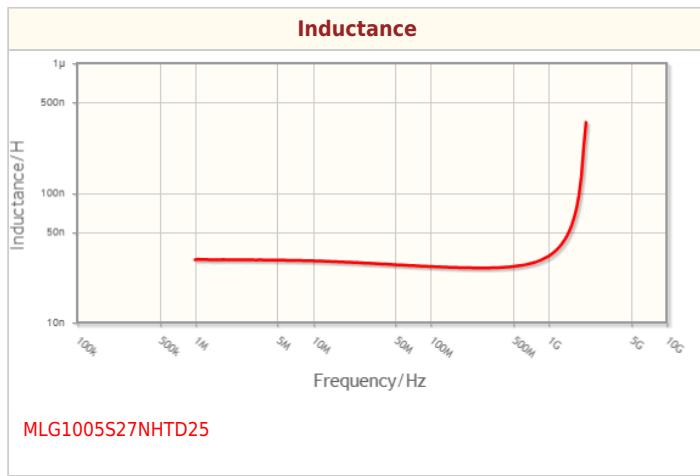
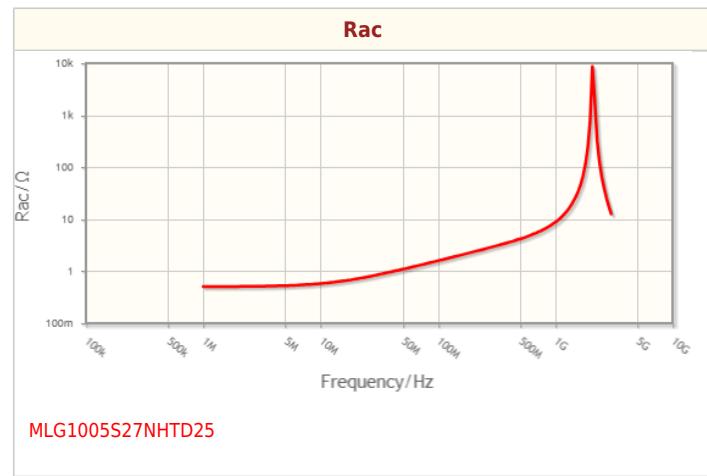
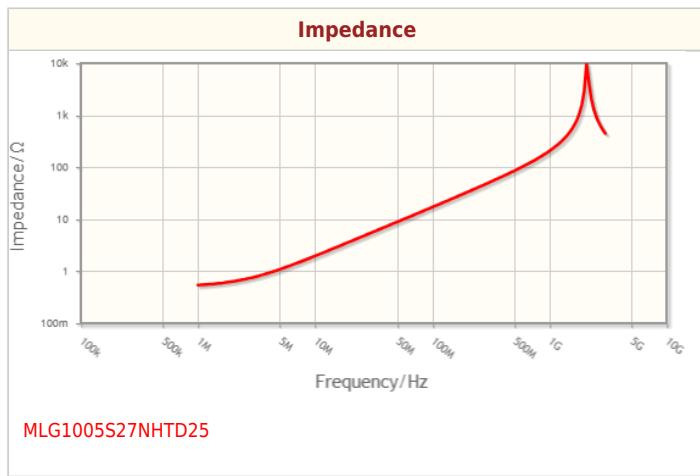
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## Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)



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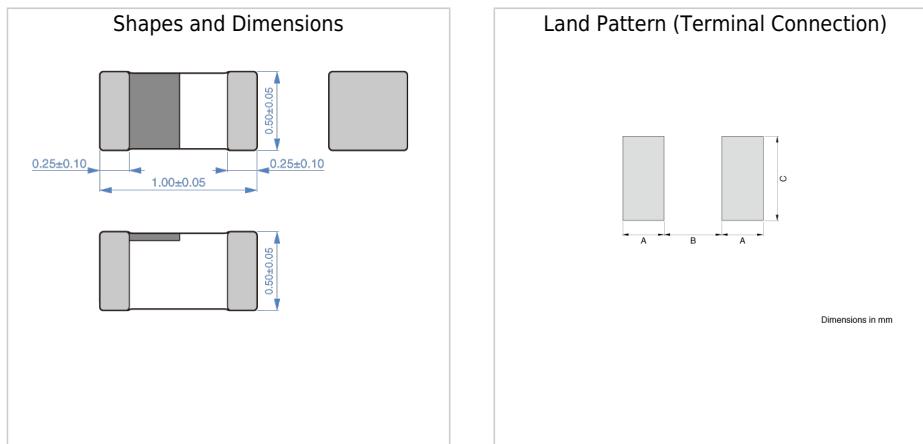
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## Associated Images



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