

MLG1005S1N2CTD25

**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	1.2nH \pm 0.2nH at 100MHz
Rated Current	1A
DC Resistance [Typ.]	40m Ω
DC Resistance [Max.]	100m Ω
Self Resonant Frequency [Min.]	10GHz
Self Resonant Frequency [Typ.]	11.6GHz
Q [Min.]	7 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.

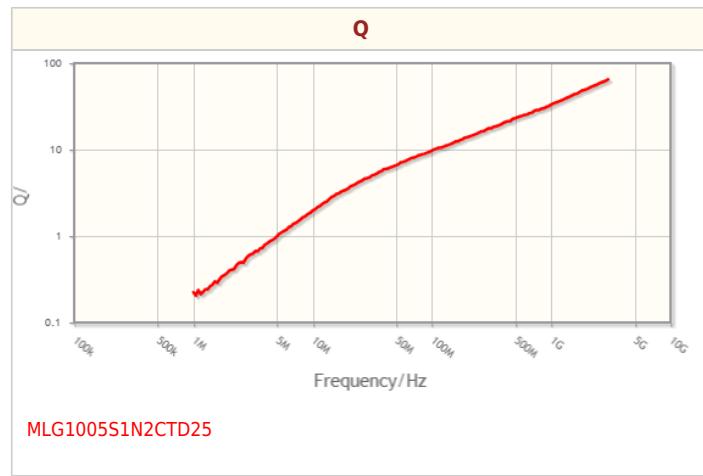
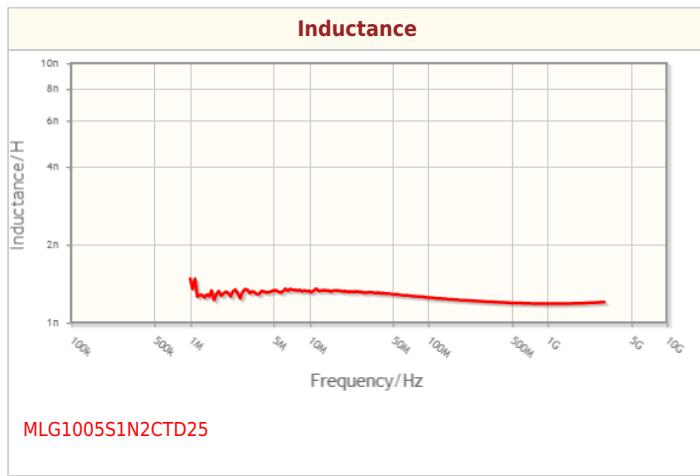
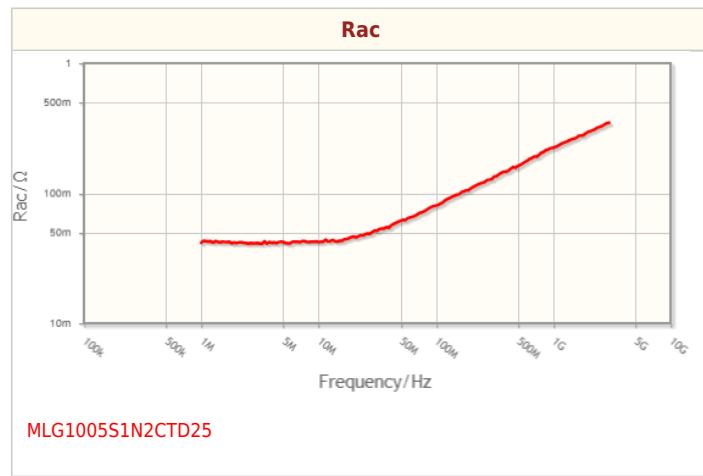
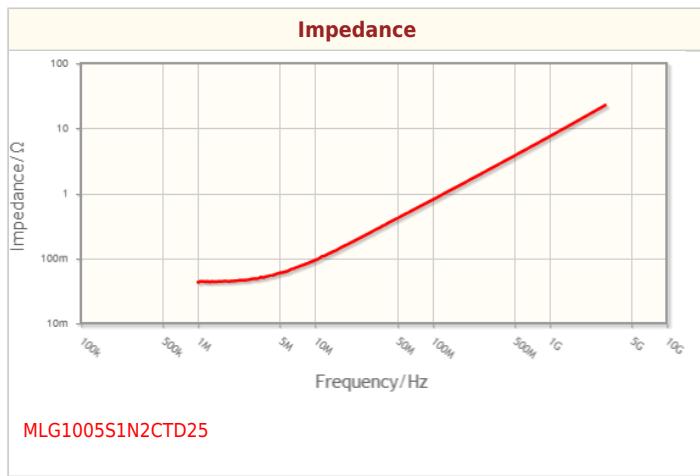
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Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)



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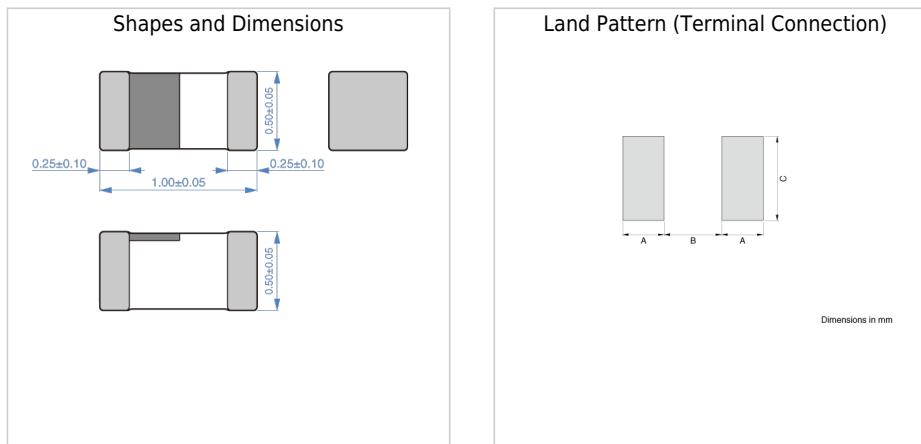
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Associated Images



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