

MLG1005S2N0CTD25

**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	2nH \pm 0.2nH at 100MHz
Rated Current	900mA
DC Resistance [Typ.]	70m Ω
DC Resistance [Max.]	150m Ω
Self Resonant Frequency [Min.]	7.5GHz
Self Resonant Frequency [Typ.]	9.3GHz
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.

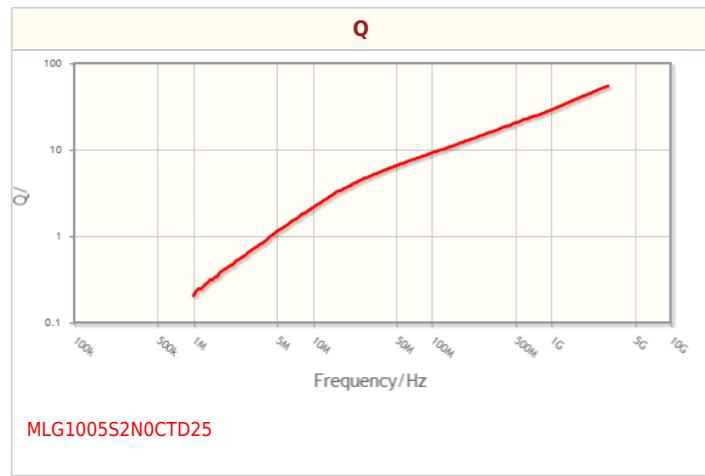
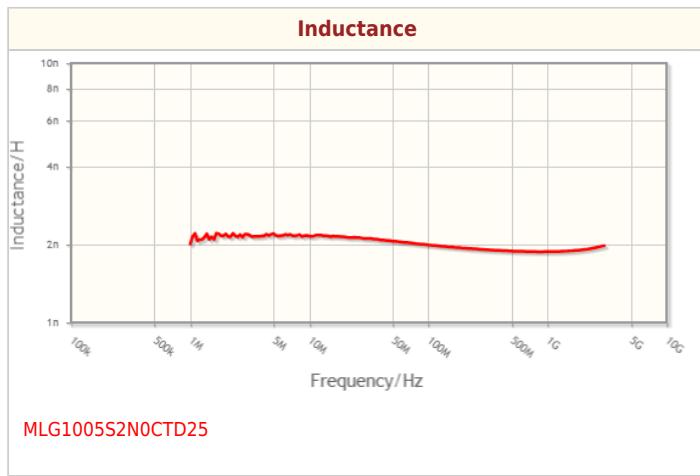
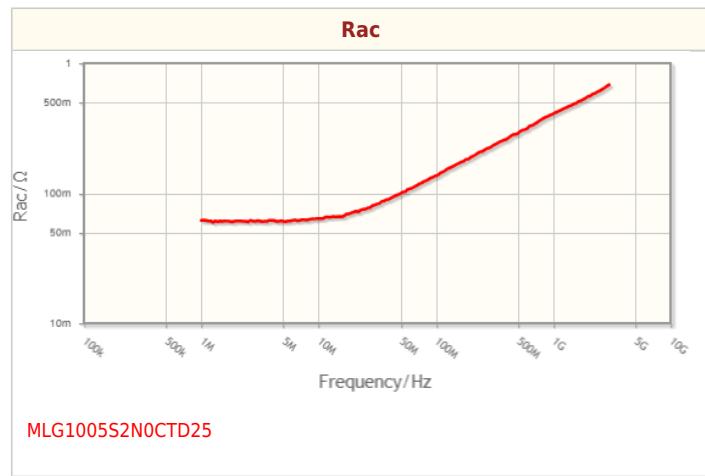
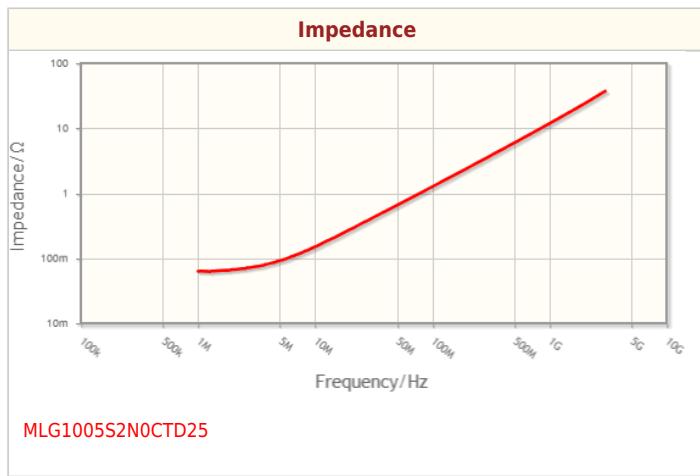
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

MLG1005S2N0CTD25



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



! Images are for reference only and show exemplary products.

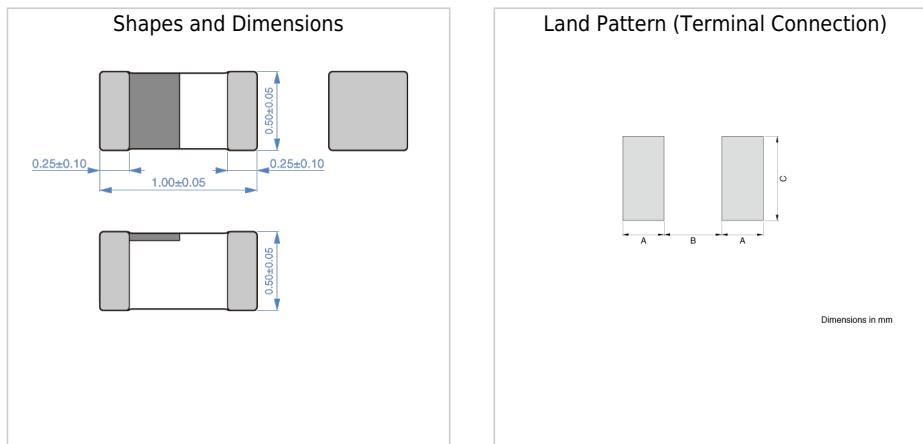
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

MLG1005S2N0CTD25



Associated Images



! 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.