

EOL Announced

Recommended Alternate Part No. : [MLG1005S2N0ST000](#) (Interchangeability is not guaranteed.)

Product Status

Discontinue Issue Date : May.24, 2021

Last Purchase Order Date : Mar.31, 2026

Last Shipment Date : Jun.30, 2026

Applications

Commercial Grade

Feature

No Directivity No Directivity

Multilayer Multilayer

Core Type

Non-Mag Core Non-Magnetic Core (Dielectric Ceramic)

High Self Resonant Frequency

Series | Type

MLK

Brand

TDK

Environmental Compliance**Size**

Length(L)	1.00mm $\pm 0.10\text{mm}$
Width(W)	0.50mm $\pm 0.10\text{mm}$
Thickness Height	0.50mm $\pm 0.10\text{mm}$
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 $\pm 0.3\text{nH}$ at 100MHz
Rated Current	500mA
DC Resistance [Typ.]	80m Ω
DC Resistance [Max.]	180m Ω
Self Resonant Frequency [Min.]	8.3GHz
Self Resonant Frequency [Typ.]	10GHz
Q [Min.]	6 at 100MHz
Q [Typ.]	7 at 100MHz

Other

Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	NO

! Images are for reference only and show exemplary products.

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

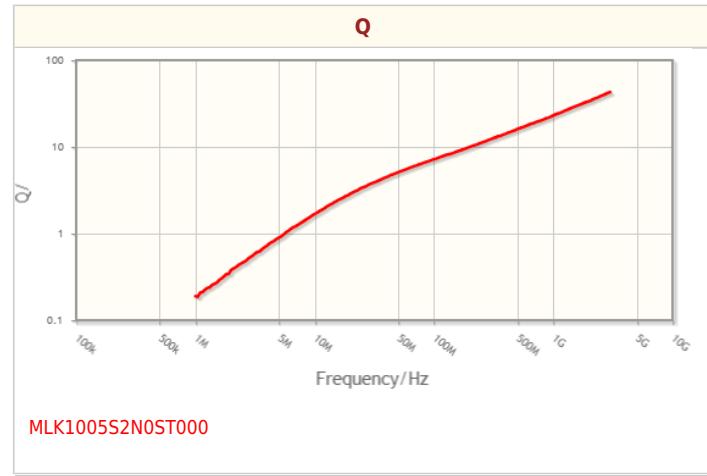
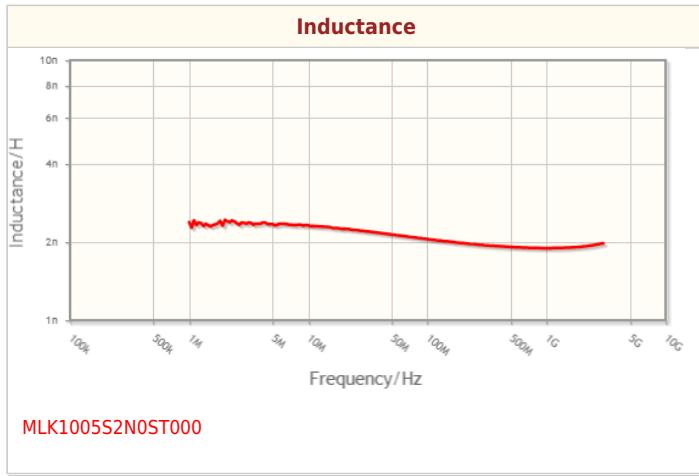
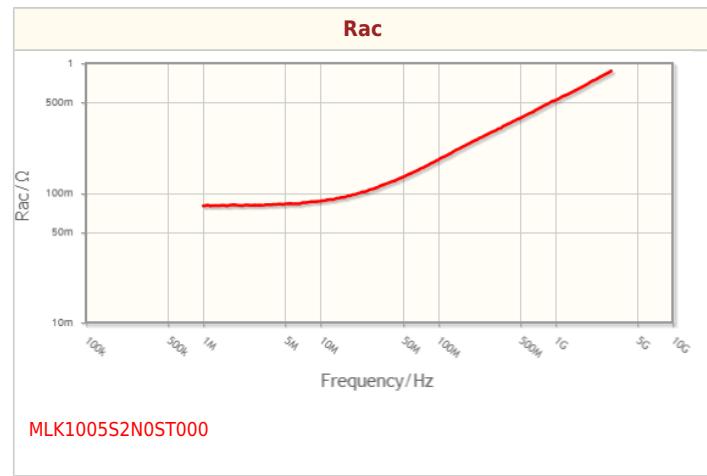
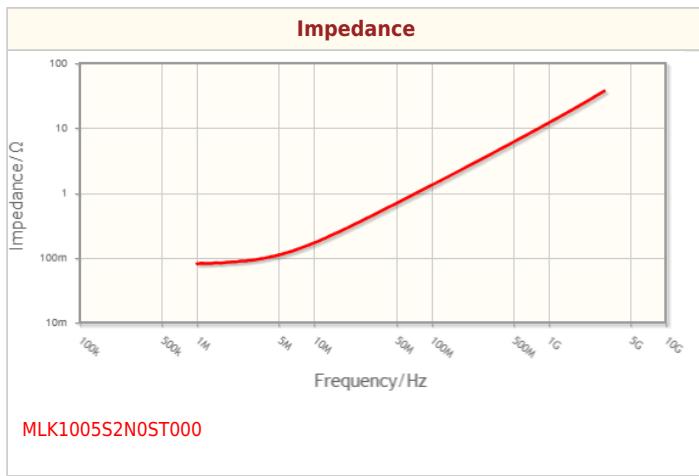
! All specifications are subject to change without notice.

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.

MLK1005S2N0ST000

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

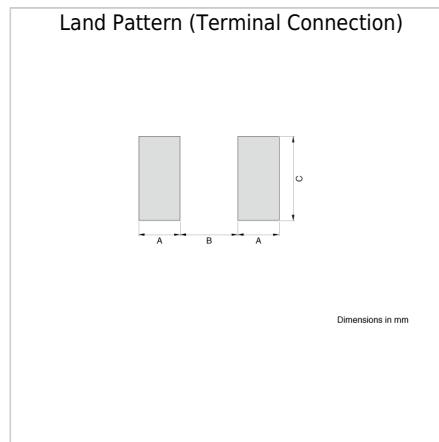
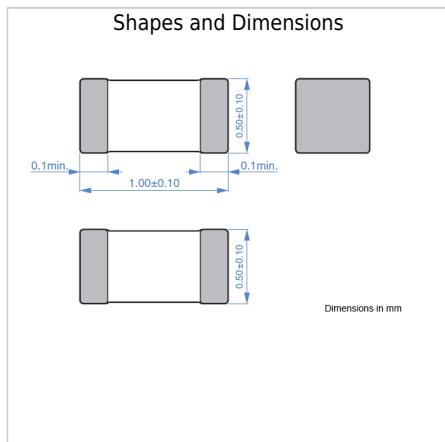


! Images are for reference only and show exemplary products.

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

! All specifications are subject to change without notice.

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.