

**EOL Announced**

Recommended Alternate Part No. : [MLG1005S1N8STD25](#) (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**

Automotive Grade

[AEC-Q200](#)AEC-Q200

**No Directivity**No Directivity

**Feature**

**Multilayer**Multilayer

Non-Mag CoreNon-Magnetic Core (Dielectric Ceramic)

High Self Resonant Frequency

**Series | Type**

MLK

**Brand**

TDK

**Environmental**

RoHS



REACH  
SVHC Free



Halogen  
Free



Lead Free

**Compliance****Size**

Length(L)	1.00mm $\pm 0.10$ mm
Width(W)	0.50mm $\pm 0.10$ mm
Thickness   Height	0.50mm $\pm 0.10$ 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	1.8nH $\pm 0.3$ nH at 100MHz
Rated Current	500mA
DC Resistance [Typ.]	70m $\Omega$
DC Resistance [Max.]	170m $\Omega$
Self Resonant Frequency [Min.]	8.5GHz
Self Resonant Frequency [Typ.]	10.9GHz
Q [Min.]	6 at 100MHz
Q [Typ.]	7 at 100MHz

**Other**

Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow Iron Soldering

! Images are for reference only and show exemplary products.

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

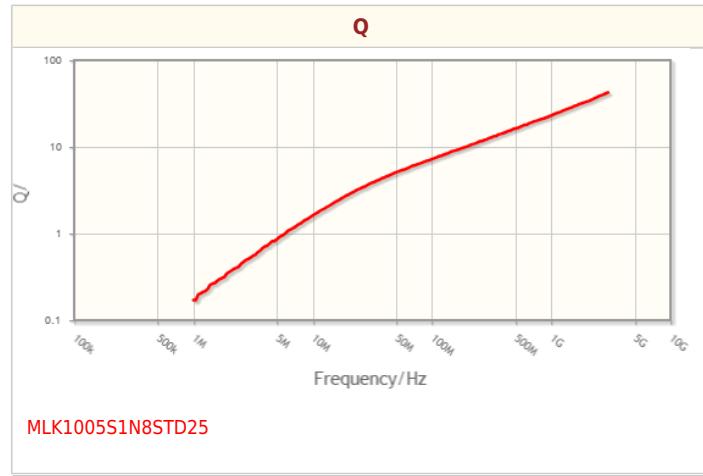
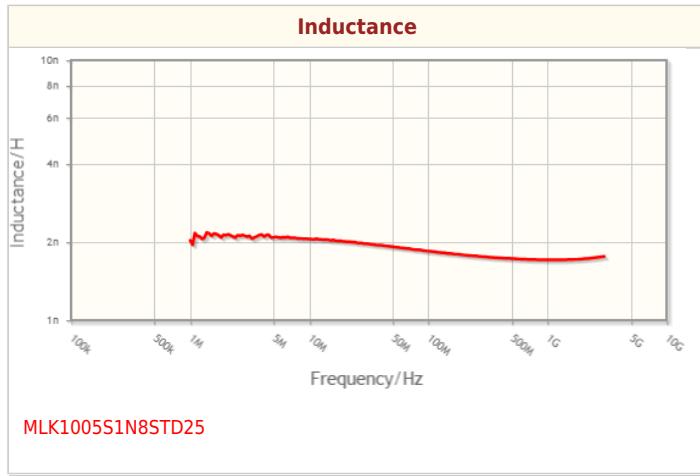
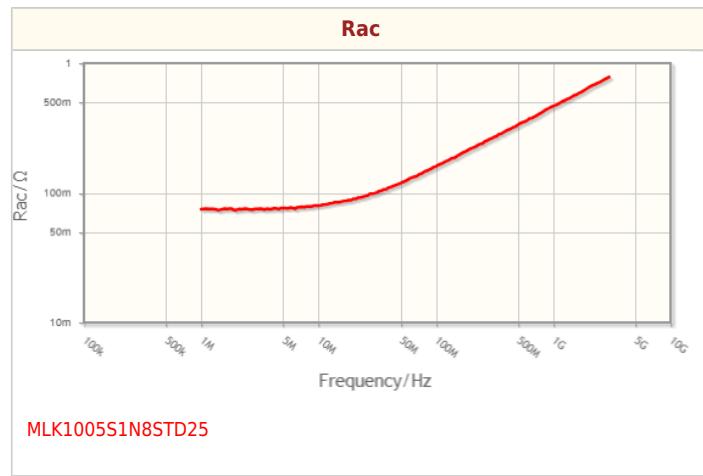
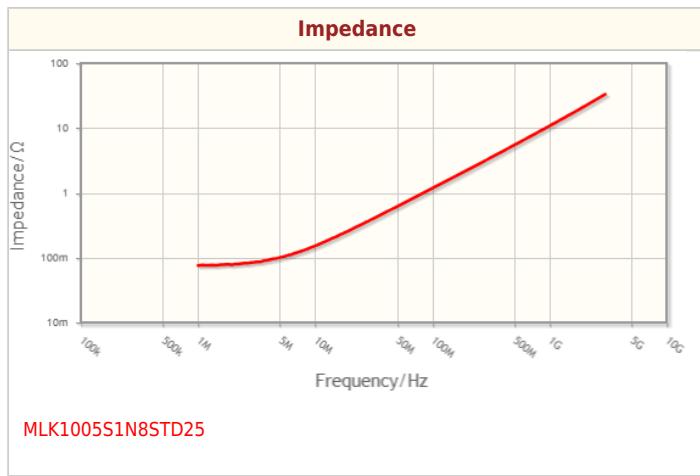
! All specifications are subject to change without notice.

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.

MLK1005S1N8STD25

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

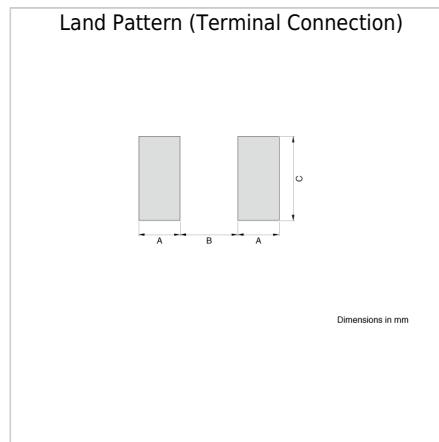
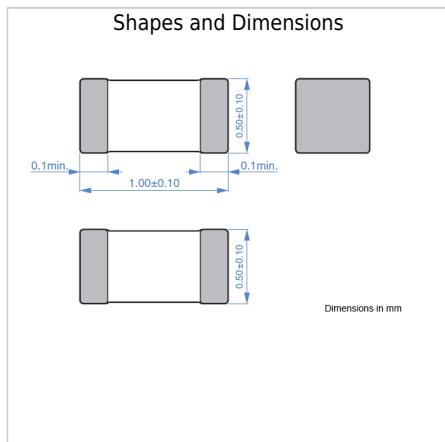


! Images are for reference only and show exemplary products.

! 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.