

SMD / SMT Inductors (Coils)

MLK1005S3N3ST000

EOL Announced

Recommended Alternate Part No. : [MLG1005S3N3ST000](#) (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 DirectivityNo Directivity

MultilayerMultilayer

Non-Mag CoreNon-Magnetic Core (Dielectric Ceramic)

High Self Resonant Frequency

Series | Type

MLK

Brand

TDK

Environmental Compliance

Size

Length(L)	1.00mm ±0.10mm
Width(W)	0.50mm ±0.10mm
Thickness Height	0.50mm ±0.10mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics

Inductance	3.3nH ±0.3nH at 100MHz
Rated Current	400mA
DC Resistance [Typ.]	110mΩ
DC Resistance [Max.]	220mΩ
Self Resonant Frequency [Min.]	7GHz
Self Resonant Frequency [Typ.]	8.3GHz
Q [Min.]	7 at 100MHz
Q [Typ.]	8 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.

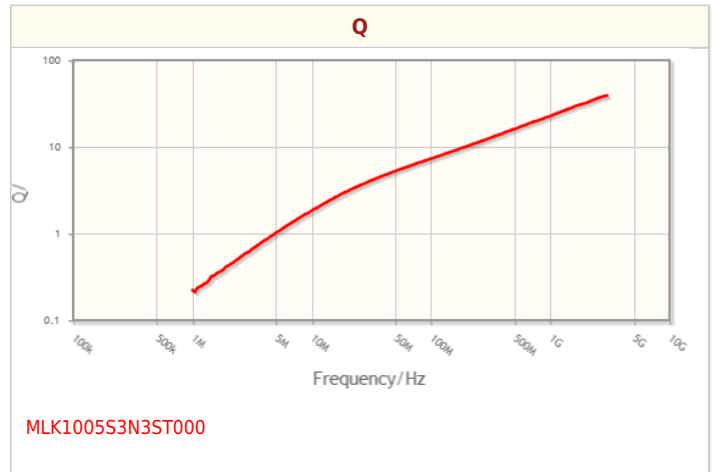
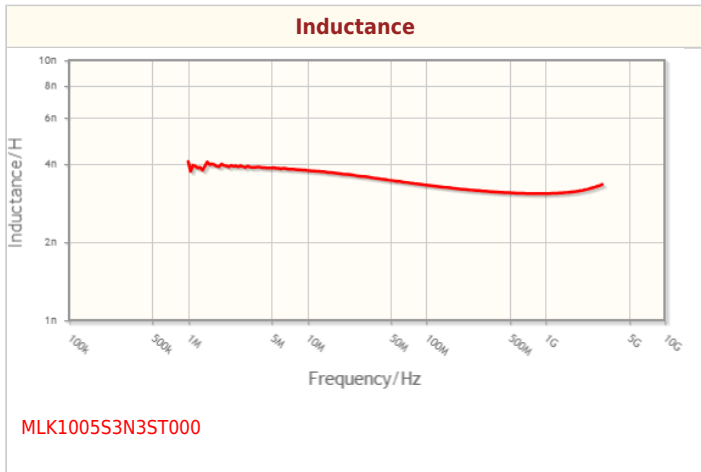
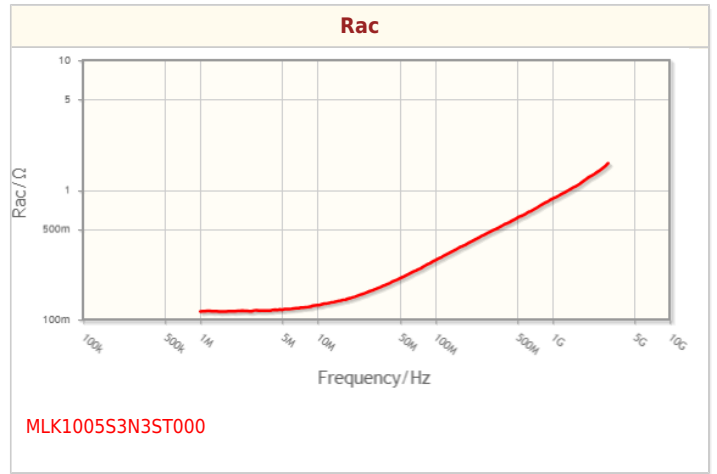
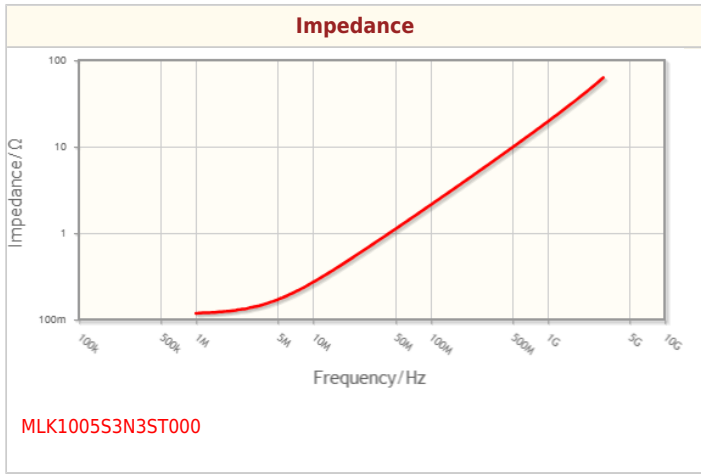
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Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	10000pcs
Weight	0.001g

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



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Associated Images

