

EOL Announced

Recommended Alternate Part No. : [MLG1005S12NJT25](#) (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 DirectivityNo Directivity

Feature

MultilayerMultilayer

Non-Mag CoreNon-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	12nH $\pm 5\%$ at 100MHz
Rated Current	350mA
DC Resistance [Typ.]	270m Ω
DC Resistance [Max.]	470m Ω
Self Resonant Frequency [Min.]	4.3GHz
Self Resonant Frequency [Typ.]	5.3GHz
Q [Min.]	7 at 100MHz
Q [Typ.]	9 at 100MHz

Other

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

! Images are for reference only and show exemplary products.

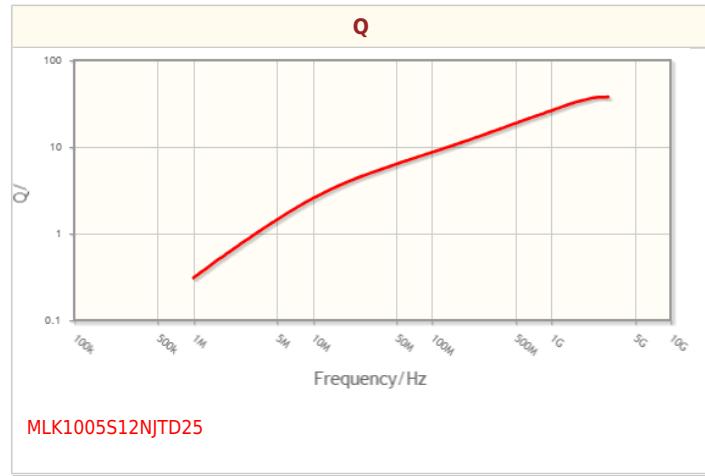
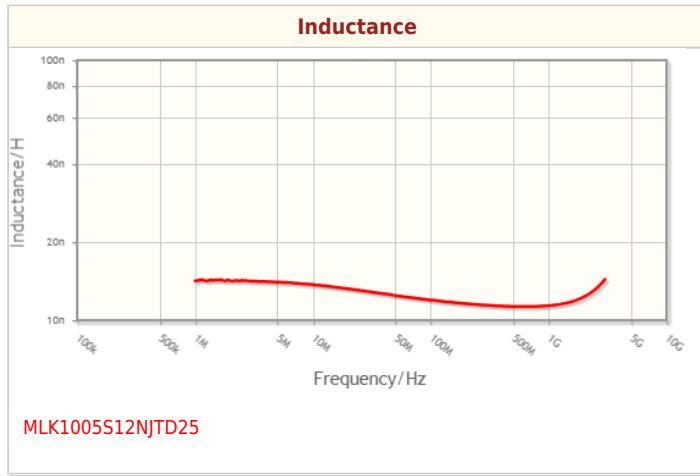
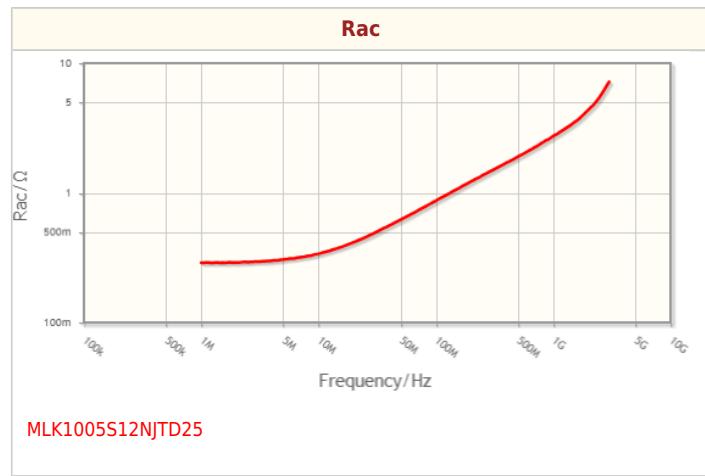
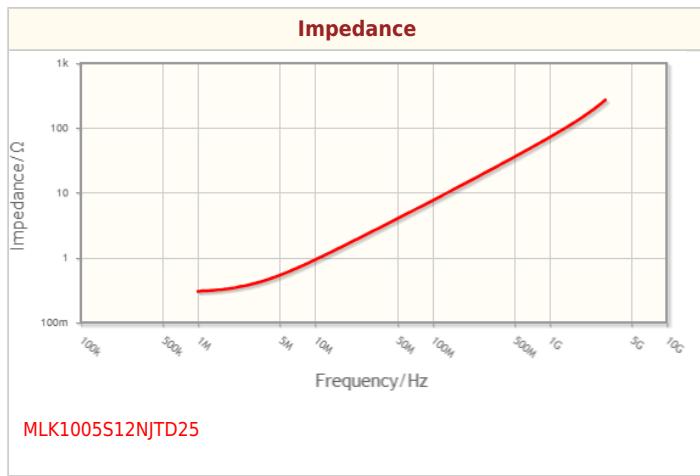
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! All specifications are subject to change without notice.

AEC-Q200	YES
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	10000pcs
Weight	0.001g

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

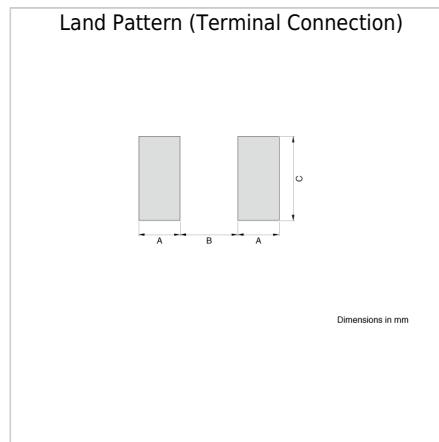
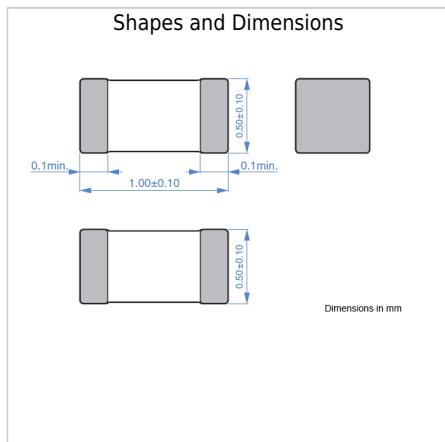


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Associated Images



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