

EOL Announced

Recommended Alternate Part No. : [MLG1005S82NJT25](#) (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

RoHS

REACH SVHC Free

Halogen Free

Lead Free

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 82nH $\pm 5\%$ at 100MHz

Rated Current 150mA

DC Resistance [Typ.] 1.39Ω

DC Resistance [Max.] 1.8Ω

Self Resonant Frequency [Min.] 1.3GHz

Self Resonant Frequency [Typ.] 2.2GHz

Q [Min.] 6 at 100MHz

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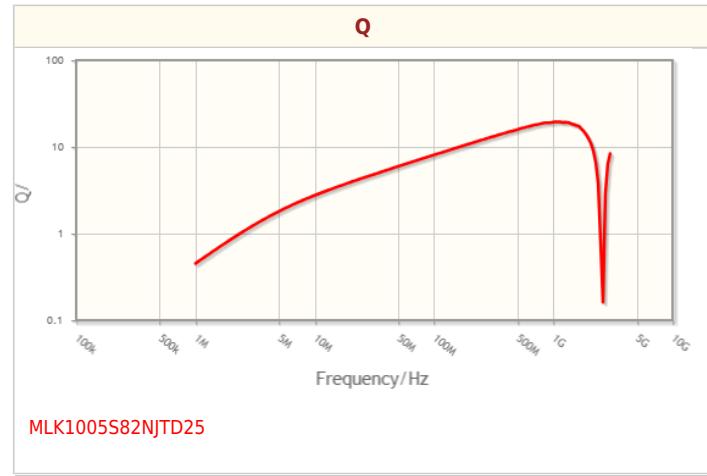
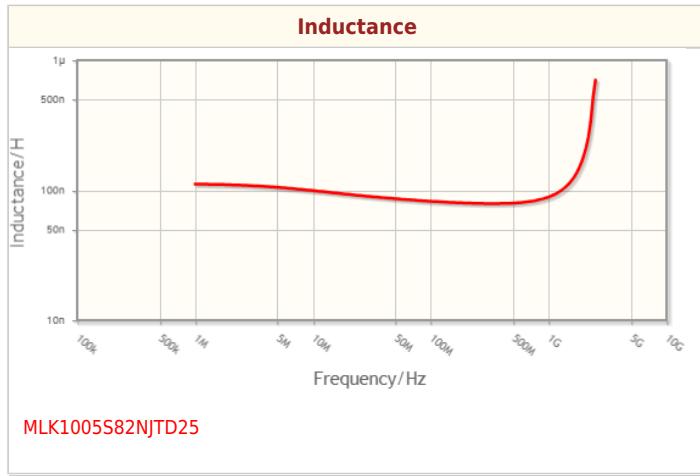
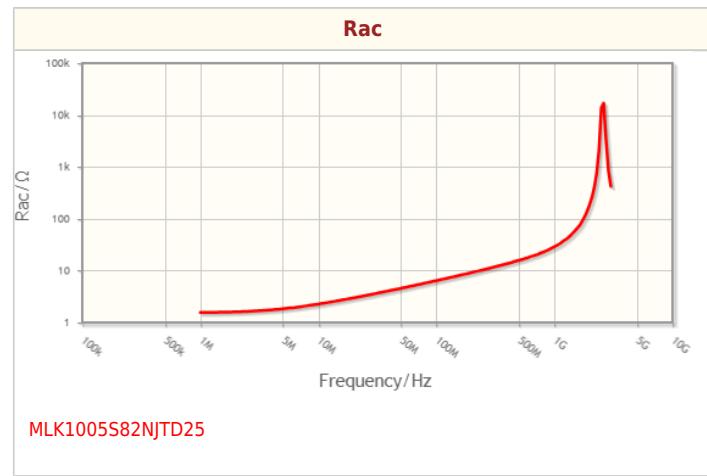
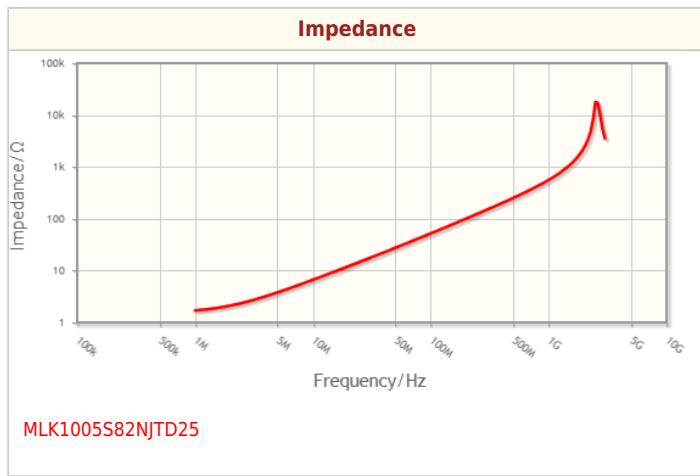
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AEC-Q200	YES
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	10000pcs
Weight	0.001g

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

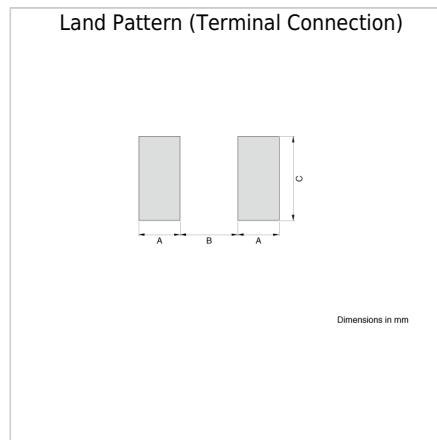
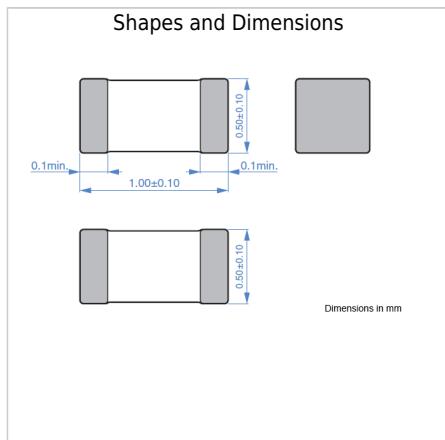


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Associated Images



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