

**EOL Announced**

Recommended Alternate Part No. : [MLG1005SR12JTD25](#) (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  $\pm 0.10$ 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 120nH  $\pm 5\%$  at 100MHz

Rated Current 100mA

DC Resistance [Typ.] 2.08Ω

DC Resistance [Max.] 3Ω

Self Resonant Frequency [Min.] 1.1GHz

Self Resonant Frequency [Typ.] 1.9GHz

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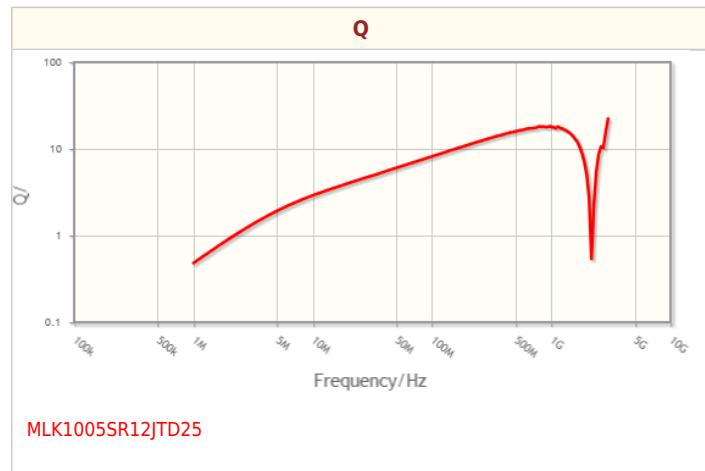
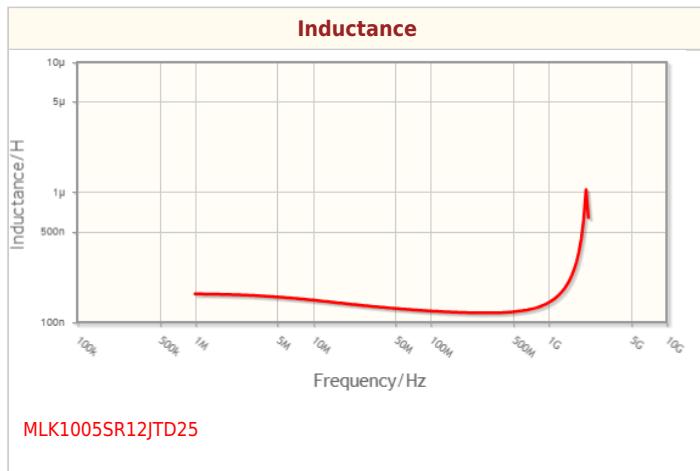
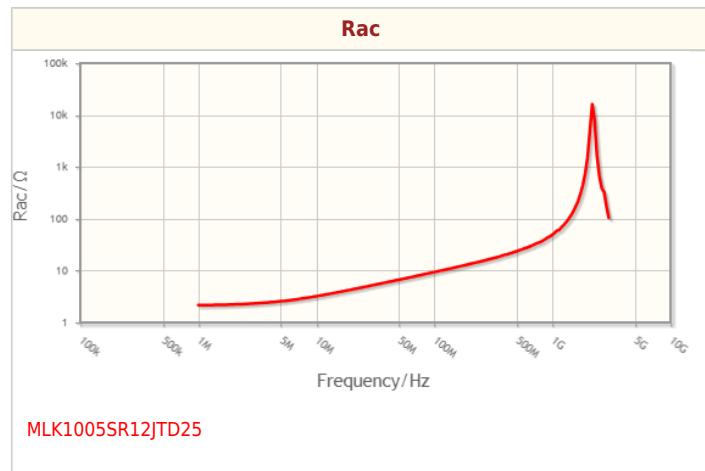
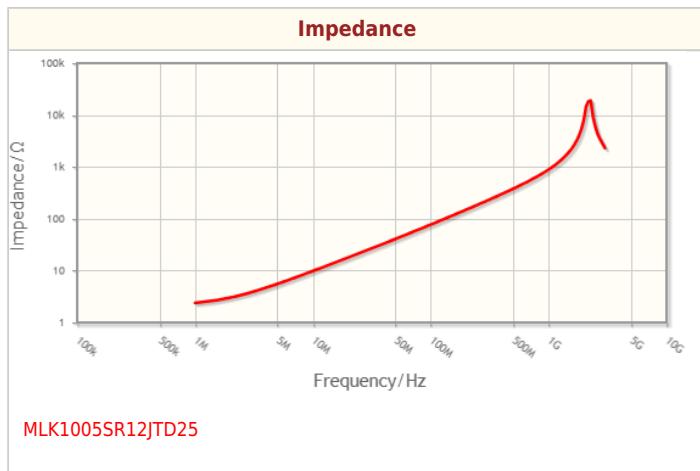
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AEC-Q200	YES
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	10000pcs
Weight	0.001g

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

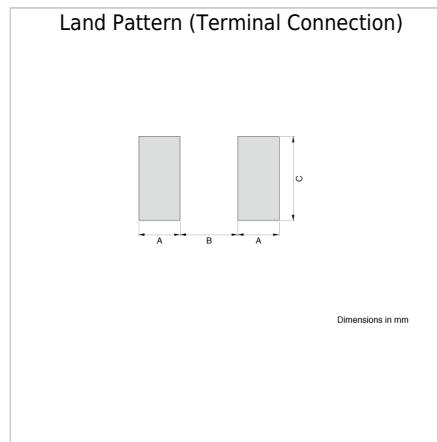
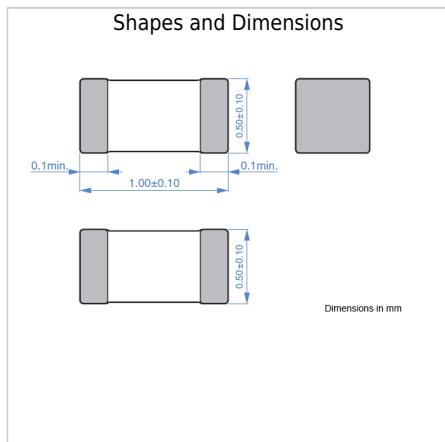


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## Associated Images



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