

MLK1005SR18JTD25

EOL Announced

Recommended Alternate Part No. : [MLG1005SR18JTD25](#) (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 Core Non-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 ± 0.10 mm

Width(W) 0.50mm ± 0.10 mm

Thickness | Height 0.50mm ± 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 180nH $\pm 5\%$ at 100MHz

Rated Current 80mA

DC Resistance [Typ.] 4.28Ω

DC Resistance [Max.] 6Ω

Self Resonant Frequency [Min.] 1.1GHz

Self Resonant Frequency [Typ.] 1.6GHz

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.

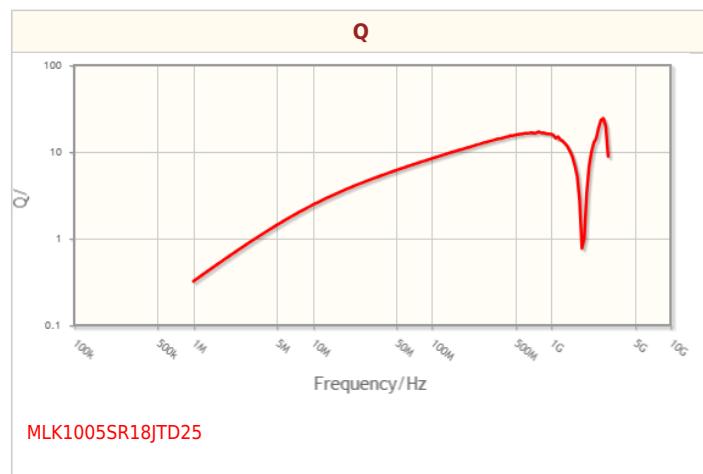
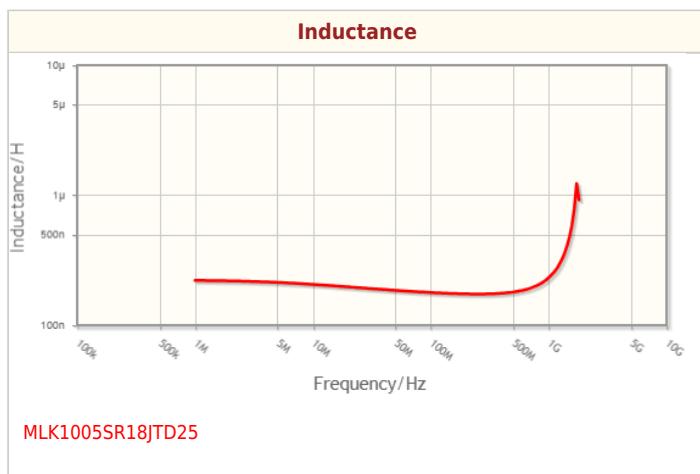
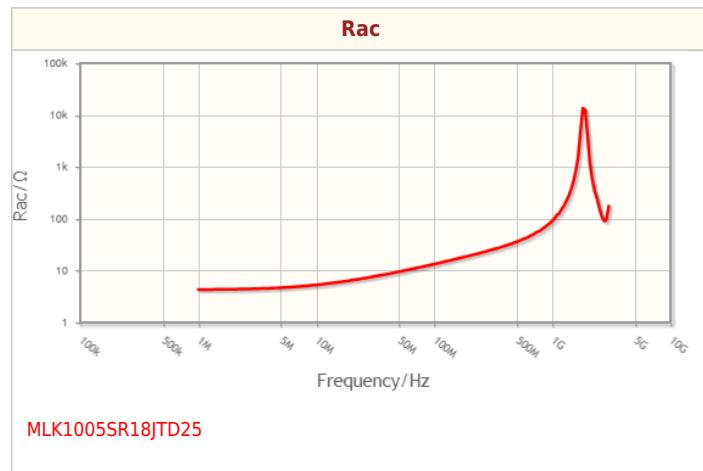
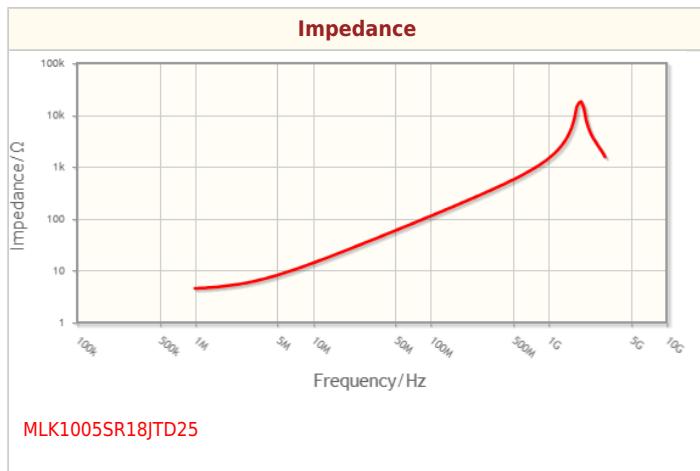
! This PDF document was created based on the data listed on the TDK Corporation website.

! 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.

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

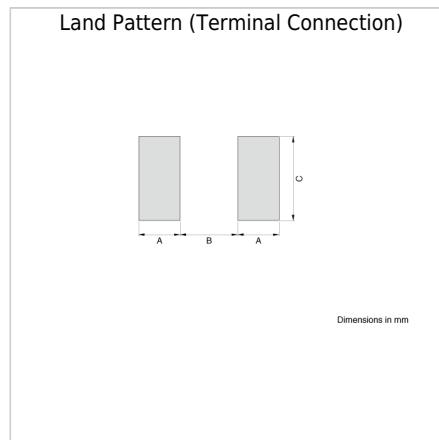
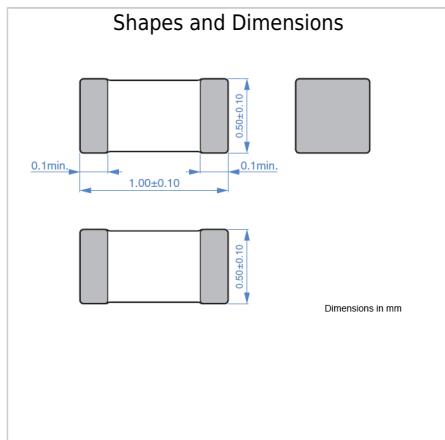


! Images are for reference only and show exemplary products.

! 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.