

EOL Announced

Recommended Alternate Part No. : [MLG1005SR27JT000](#) (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 Directivity No Directivity

Multilayer Multilayer

Series | Type

Non-Mag Core Non-Magnetic Core (Dielectric Ceramic)

Brand

High Self Resonant Frequency

MLK

TDK

Environmental Compliance

RoHS



REACH
SVHC Free



Halogen
Free



Lead Free

**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	270nH $\pm 5\%$ at 100MHz
Rated Current	70mA
DC Resistance [Typ.]	4.78 Ω
DC Resistance [Max.]	6.5 Ω
Self Resonant Frequency [Min.]	900MHz
Self Resonant Frequency [Typ.]	1.2GHz
Q [Min.]	6 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.

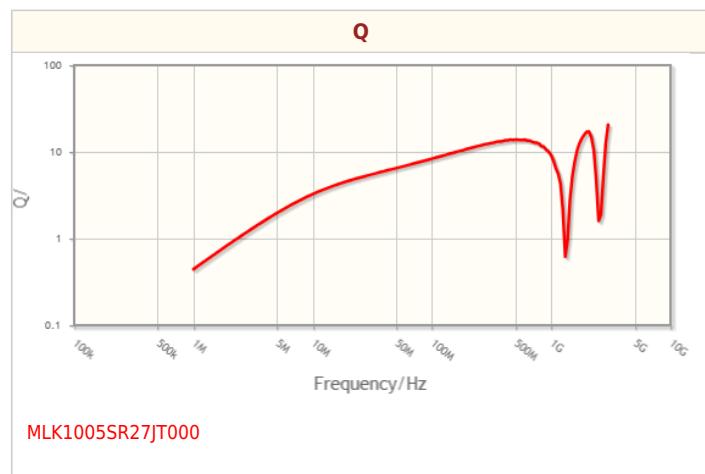
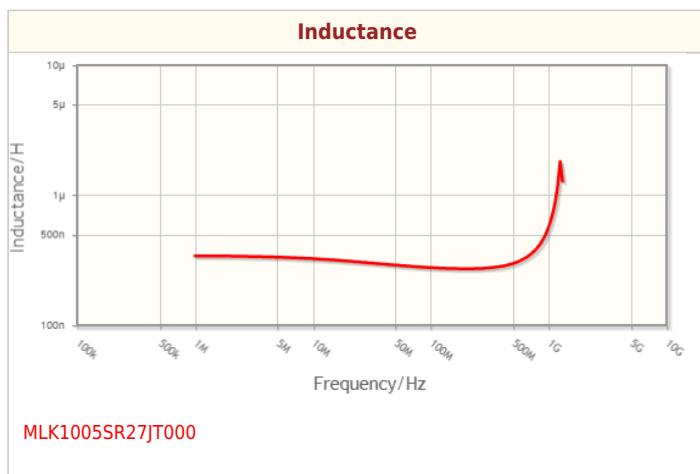
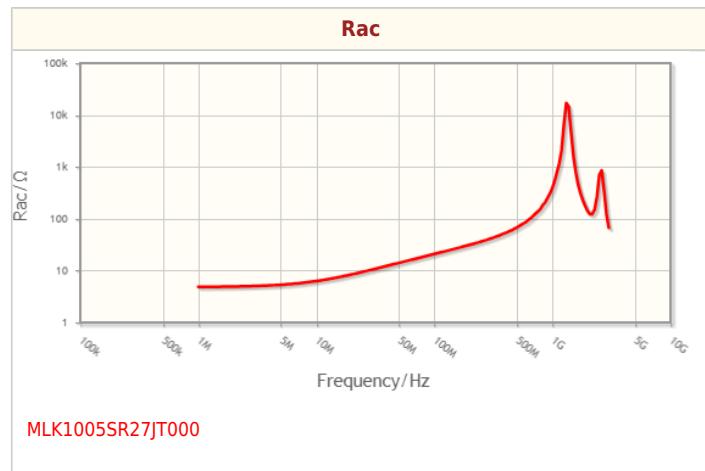
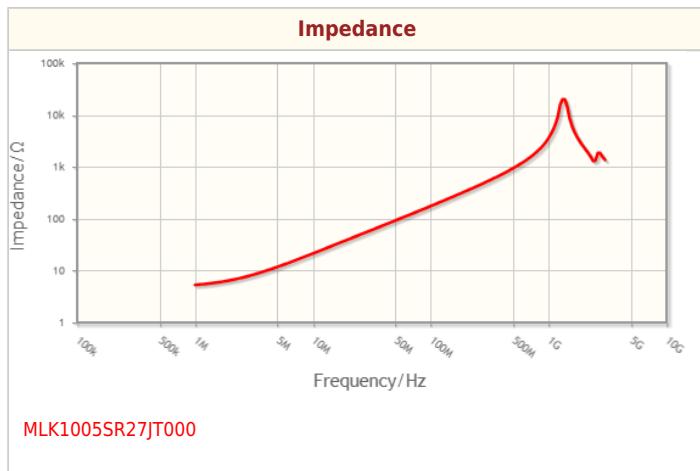
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! All specifications are subject to change without notice.

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.)

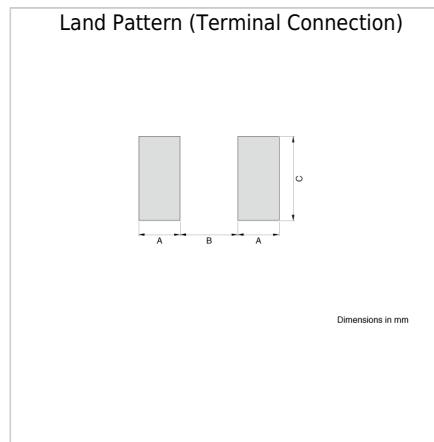
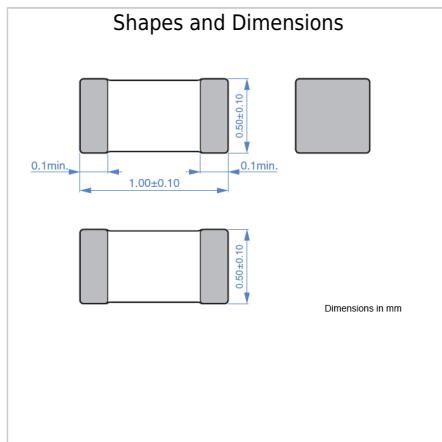


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Associated Images



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