

Applications	Commercial Grade
Feature	No Directivity
	Multilayer
	Non-Magnetic Core (Dielectric Ceramic) High Self Resonant Frequency
Series Type	MLK
Status	EOL announced Recommended Alternate Part No. : MLG1005S47NJT000 (Interchangeability is not guaranteed.)
	Discontinue Issue Date : May.24, 2021
	Last Purchase Order Date : Mar.31, 2026
	Last Shipment Date : Jun.30, 2026
Brand	TDK



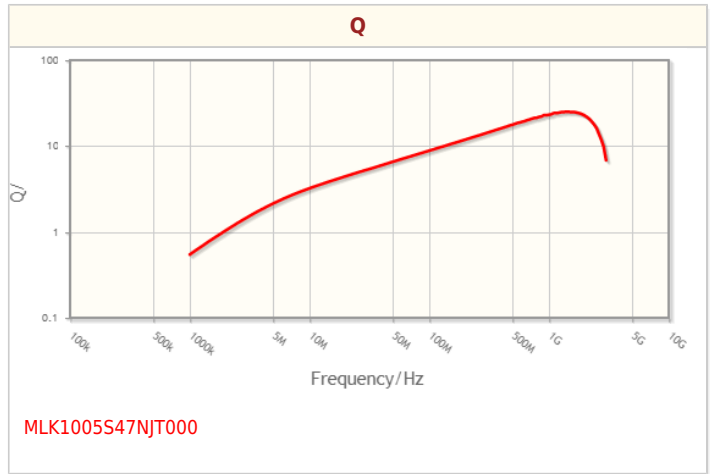
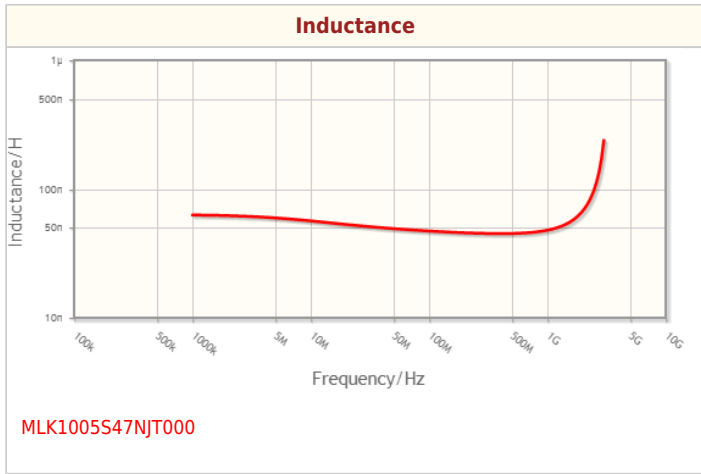
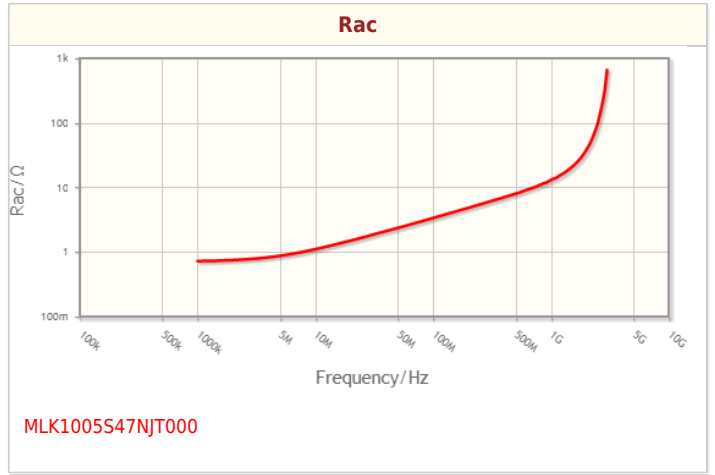
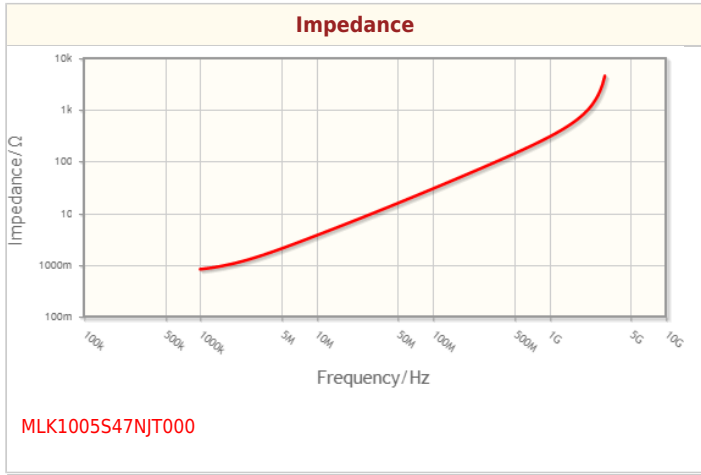
Size	
Length(L)	1.00mm ±0.10mm
Width(W)	0.50mm ±0.10mm
Thickness Height	0.50mm ±0.10mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	47nH ±5% at 100MHz
Rated Current	200mA
DC Resistance [Typ.]	740mΩ
DC Resistance [Max.]	1.2Ω
Self Resonant Frequency [Min.]	1.8GHz
Self Resonant Frequency [Typ.]	3GHz
Q [Min.]	6 at 100MHz
Q [Typ.]	9 at 100MHz

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C
Soldering Method	Reflow
	Iron Soldering
AEC-Q200	NO
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.)



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Associated Images

