

MLG1005S47NHT000



Applications	Commercial Grade
Feature	Multilayer Multilayer
	Non-Mag Core Non-Magnetic Core (Dielectric Ceramic)
Series Type	MLG
Status	Production
Brand	TDK



Size	
Length(L)	1.00mm ±0.05mm
Width(W)	0.50mm ±0.05mm
Thickness Height	0.50mm ±0.05mm
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 ±3% at 100MHz
Rated Current	250mA
DC Resistance [Typ.]	750mΩ
DC Resistance [Max.]	1.2Ω
Self Resonant Frequency [Min.]	1.1GHz
Self Resonant Frequency [Typ.]	1.4GHz
Q [Min.]	8 at 100MHz
Q [Typ.]	11 at 100MHz

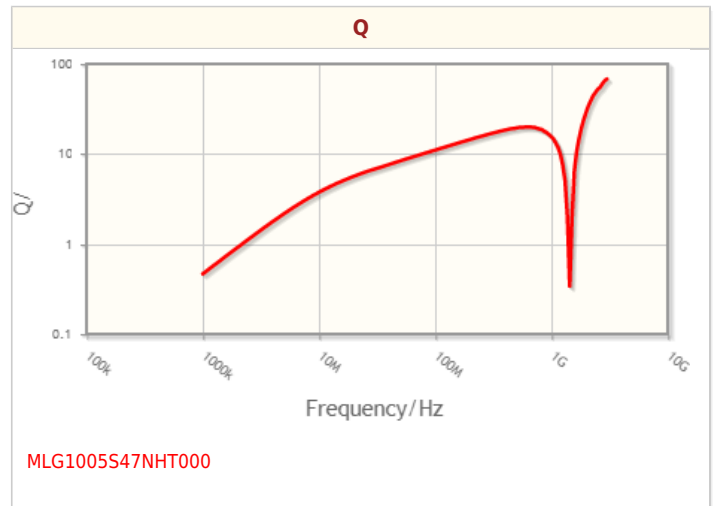
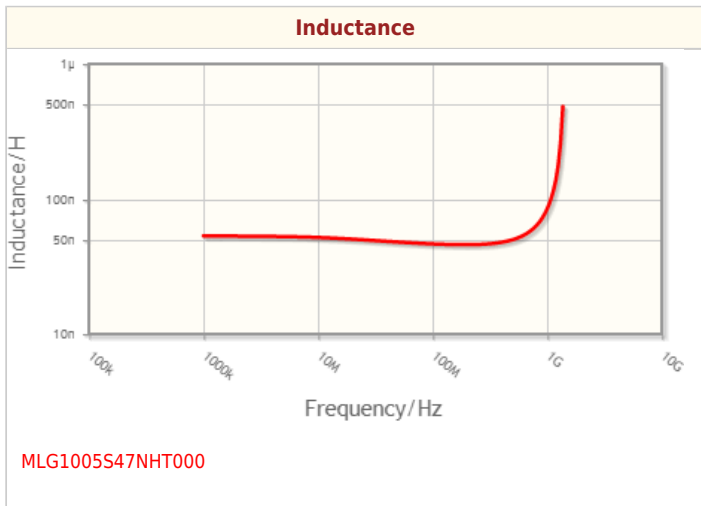
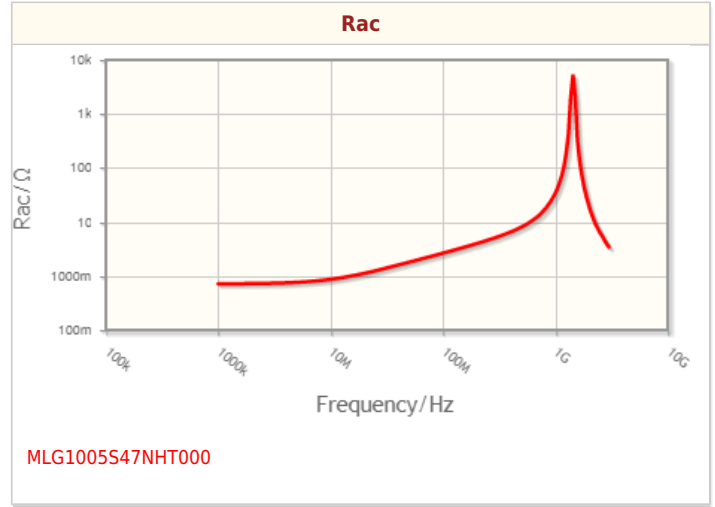
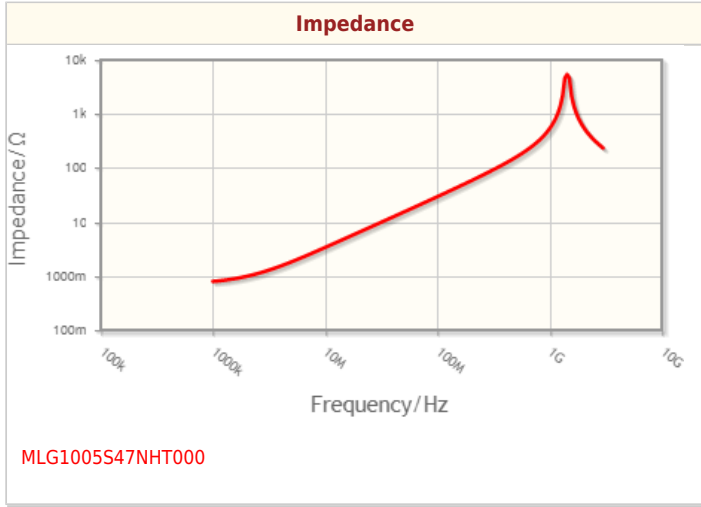
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C
Soldering Method	Reflow
	Iron Soldering
AEC-Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000pcs
Weight	0.001g

! 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.

MLG1005S47NHT000



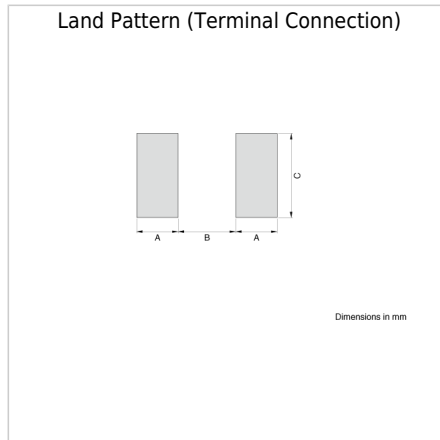
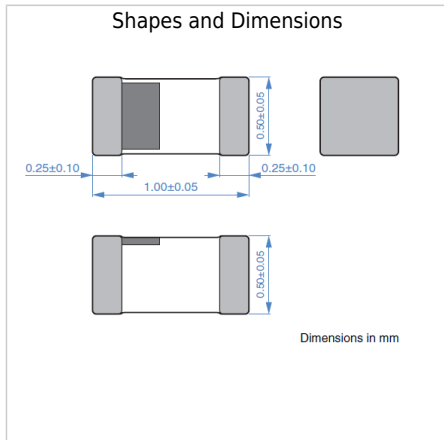
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



! 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.