

Product Status	Production
Applications	Commercial Grade
Feature	Multilayer Multilayer Non-Mag Core Non-Magnetic Core (Dielectric Ceramic)
Series   Type	MLG
Brand	TDK
Environmental Compliance	 RoHS  REACH  Halogen Free  Lead Free



### 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	51nH ±5% at 100MHz
Rated Current	250mA
DC Resistance [Typ.]	720mΩ
DC Resistance [Max.]	1.2Ω
Self Resonant Frequency [Min.]	1.1GHz
Self Resonant Frequency [Typ.]	1.5GHz
Q [Min.]	8 at 100MHz
Q [Typ.]	12 at 100MHz

### Other

Operating Temp. Range	-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

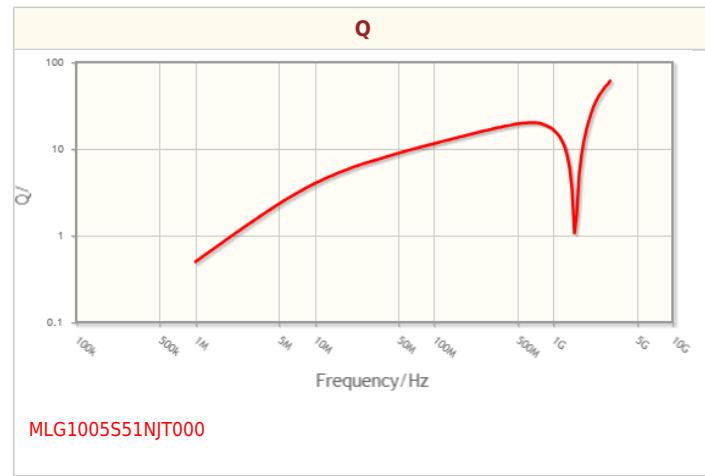
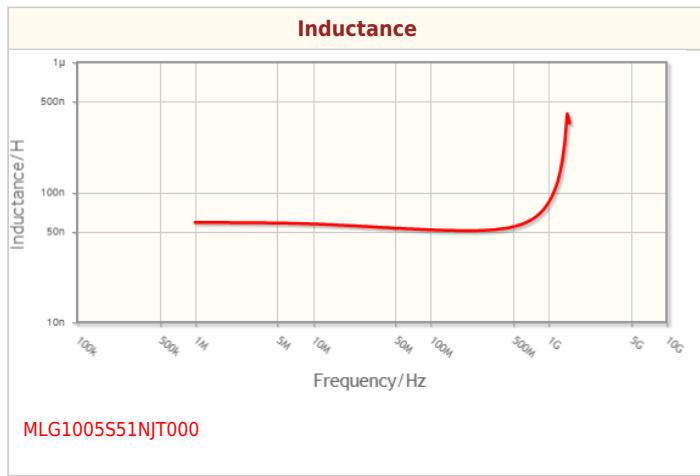
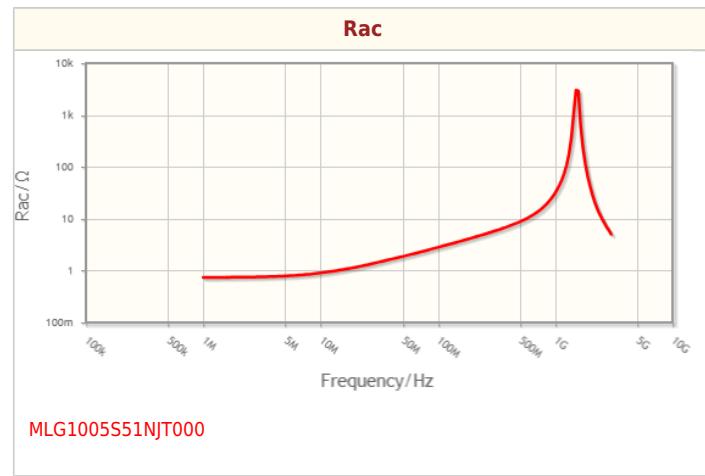
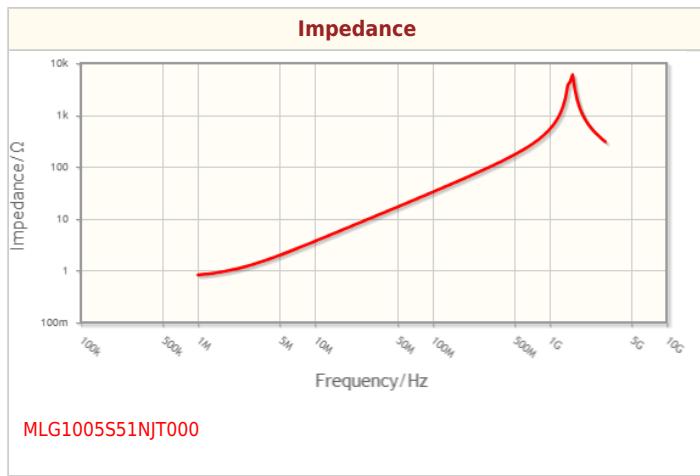
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! All specifications are subject to change without notice.

MLG1005S51NJT000

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



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## Associated Images



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