

Product Status	Production
Applications	Automotive Grade
	AEC-Q200
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 $\pm 0.05$ mm
Width(W)	0.50mm $\pm 0.05$ mm
Thickness   Height	0.50mm $\pm 0.05$ 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	27nH $\pm 5\%$ at 100MHz
Rated Current	300mA
DC Resistance [Typ.]	530m $\Omega$
DC Resistance [Max.]	800m $\Omega$
Self Resonant Frequency [Min.]	1.6GHz
Self Resonant Frequency [Typ.]	2GHz
Q [Min.]	8 at 100MHz
Q [Typ.]	11 at 100MHz

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	10000pcs
Weight	0.001g

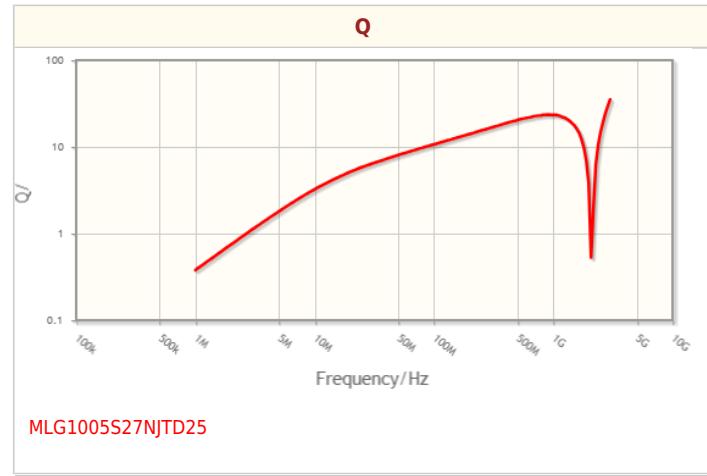
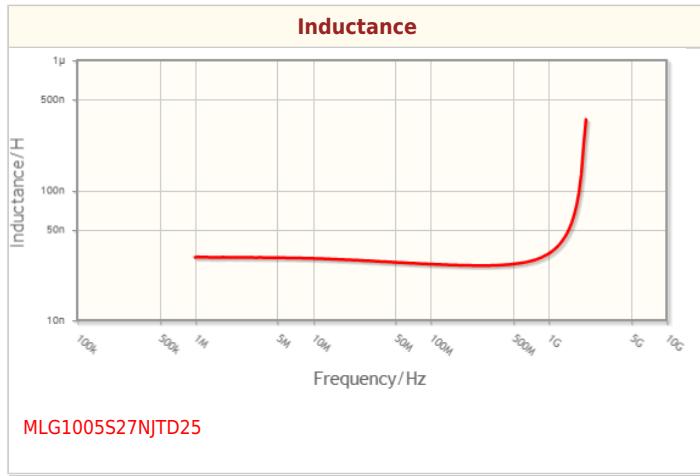
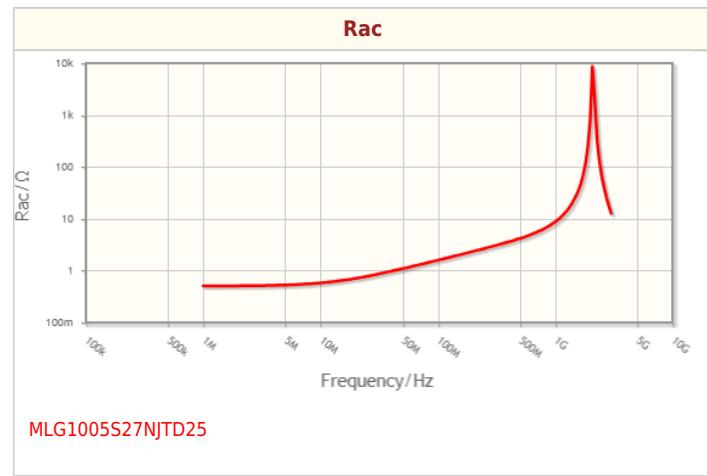
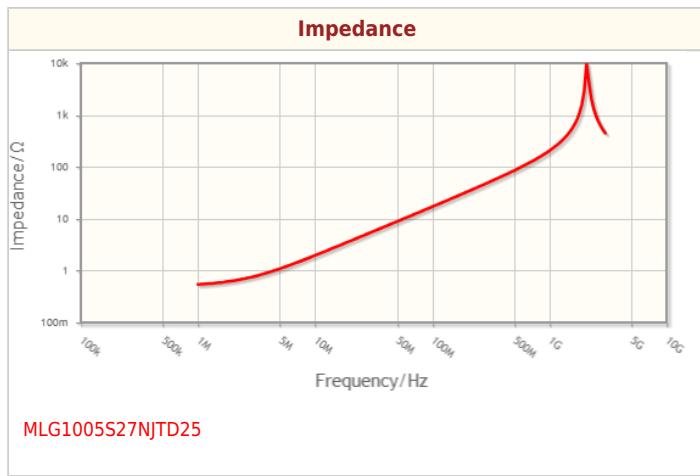
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MLG1005S27NJD25

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

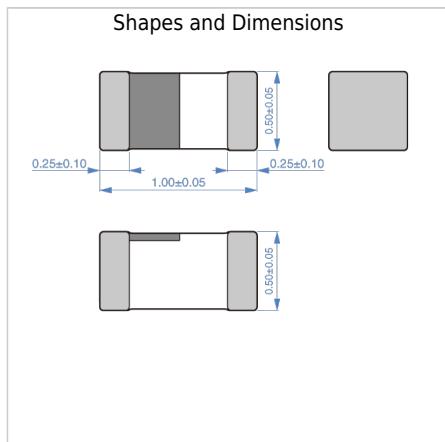


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## Associated Images



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