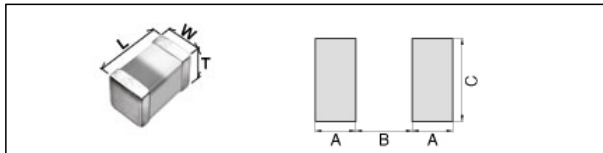


MLG1005S1N3ST000

Applications		Commercial Grade
Feature		Multilayer
		Non-Magnetic Core (Dielectric Ceramic)
Series	MLG Series / MLG1005S Type	
Status	PROD	



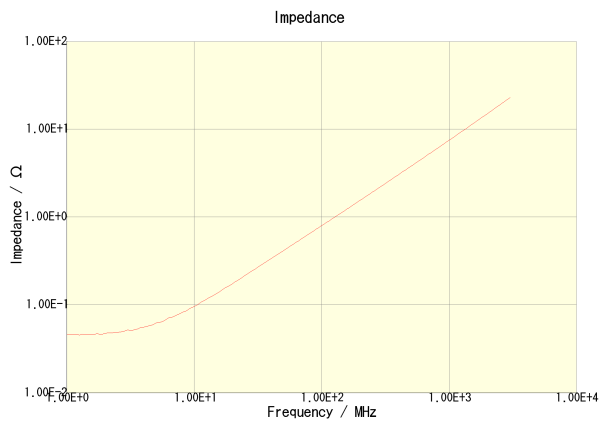
Size	
Length(L)	1.00mm +/-0.05mm
Width(W)	0.50mm +/-0.05mm
Thickness(T)	0.50mm +/-0.05mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	1.3nH +/-0.3nH at 100MHz
Rated Current (Temperature Rise) [Max.]	1A (20degC Rise)
Self-Resonant Frequency [Min.]	8GHz
Self-Resonant Frequency [Typ.]	11.7GHz
Q [Min.]	7 at 100MHz
Q [Typ.]	11 at 100MHz
DC Resistance [Nom.]	40mΩ
DC Resistance [Max.]	100mΩ

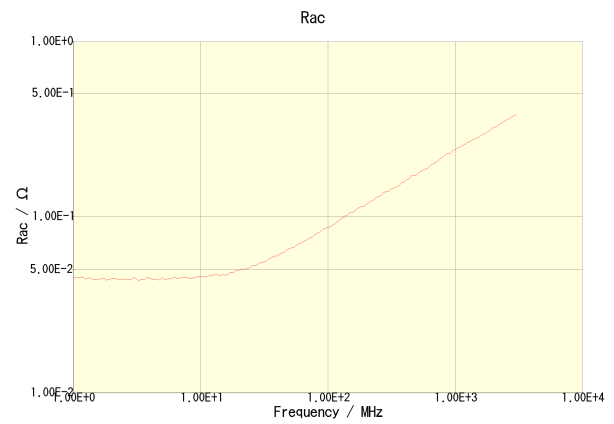
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000Pcs Min.
Weight	0.001g

MLG1005S1N3ST000

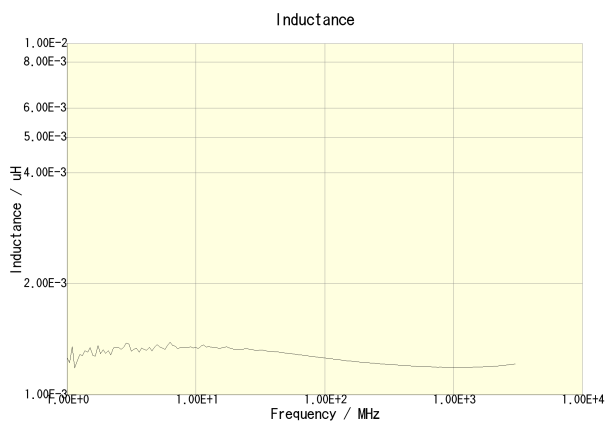
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



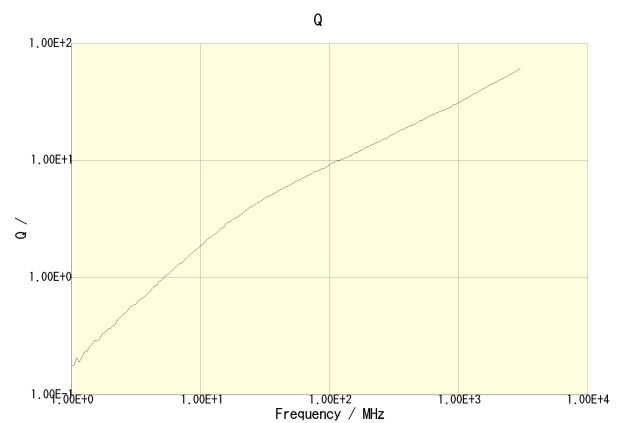
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MLG1005S1N3ST000



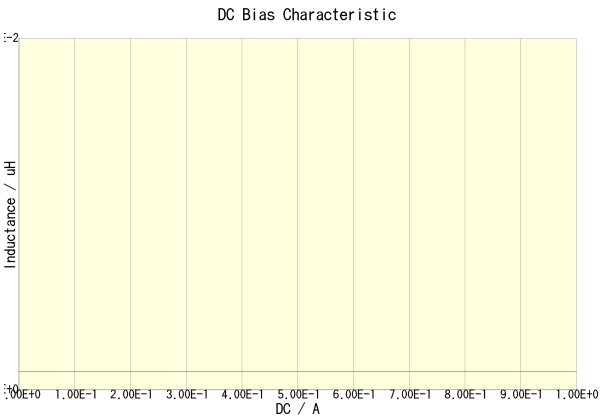
MLG1005S1N3ST000



MLG1005S1N3ST000

MLG1005S1N3ST000

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



Temperature Characteristic
no data available

MLG1005S1N3ST000(Amb. Temp. = 20degc)

Temperature Rise by DC
no data available

•This PDF document was created based on the data listed on the TDK Corporation website.
•All specifications are subject to change without notice.