


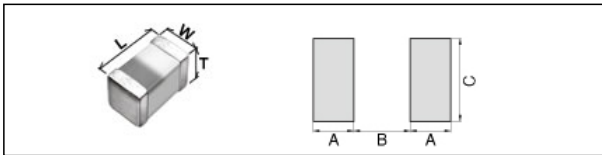


MLG1005S47NJT000

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



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.

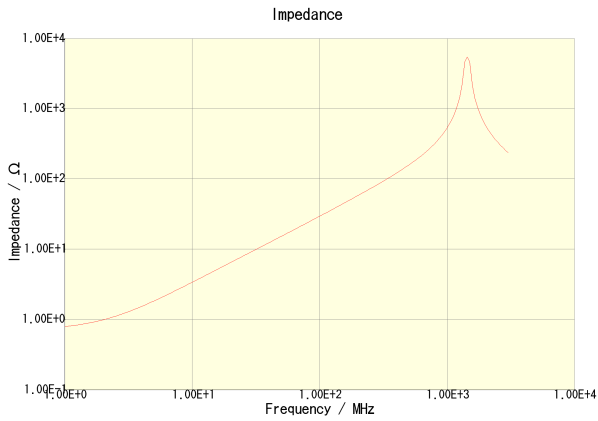
Electrical Characteristics	
Inductance	47nH +/-5% at 100MHz
Rated Current (Temperature Rise) [Max.]	250mA (20degC Rise)
Self-Resonant Frequency [Min.]	1.1GHz
Self-Resonant Frequency [Typ.]	1.4GHz
Q [Min.]	8 at 100MHz
Q [Typ.]	11 at 100MHz
DC Resistance [Nom.]	750mΩ
DC Resistance [Max.]	1.2Ω

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

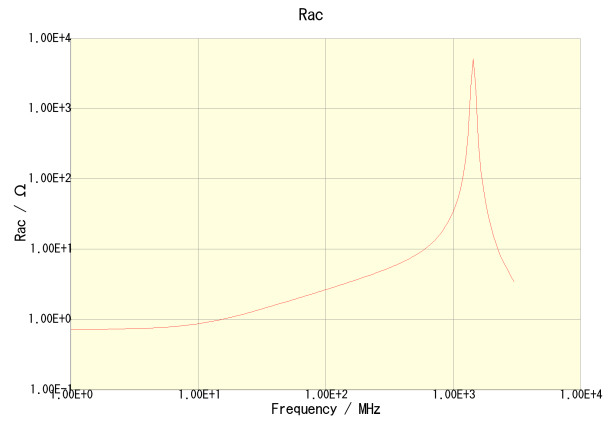
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 •All specifications are subject to change without notice.

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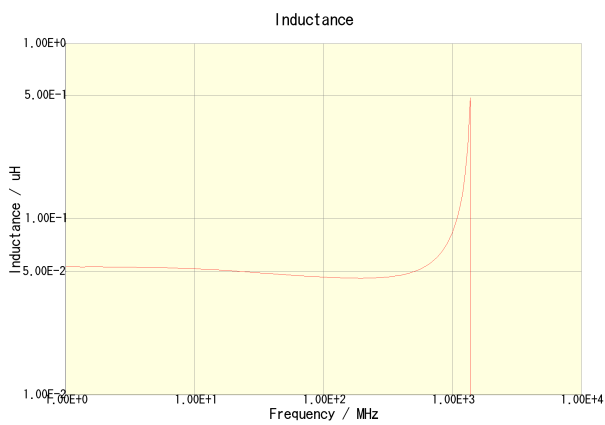
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



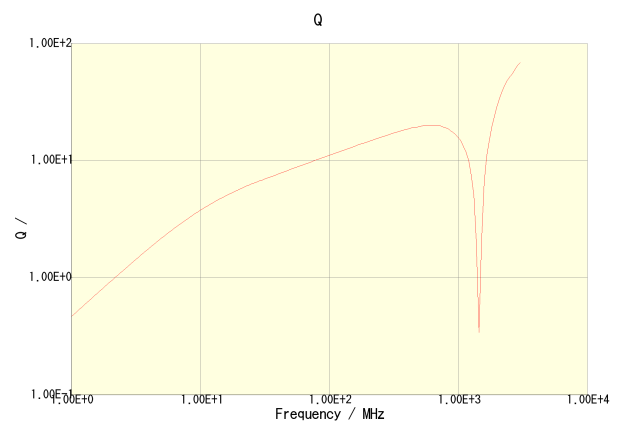
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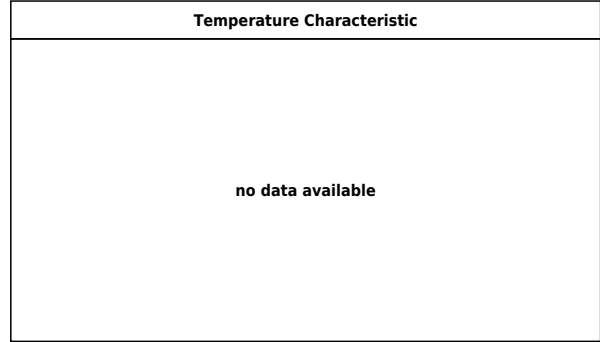
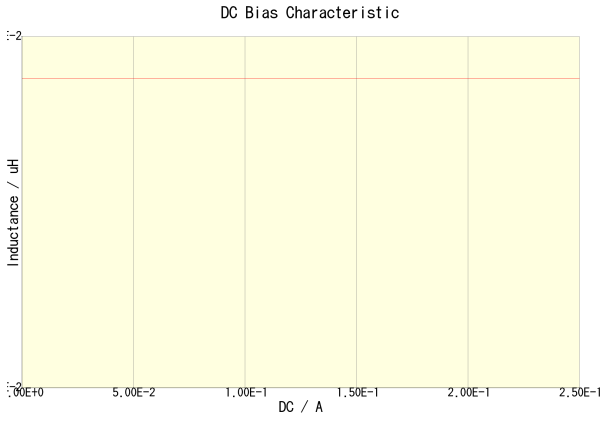


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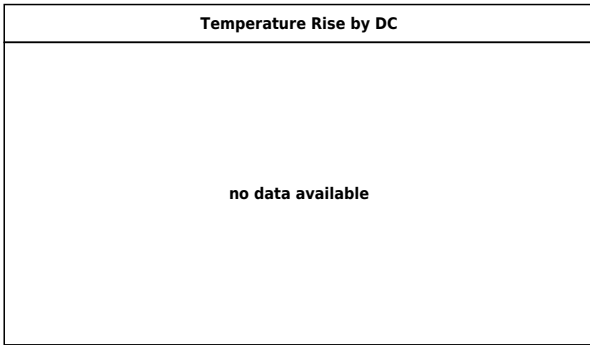
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MLG1005S47NJT000(Amb. Temp. = 20degc)



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