





MLK1005S27NJT000

Applications		Commercial Grade
Feature		Multilayer
		No Directivity
		Non-Magnetic Core (Dielectric Ceramic)
Series	MLK Series / MLK1005 Type	
Status	Production	



Size	
Length(L)	1.00mm +/-0.10mm
Width(W)	0.50mm +/-0.10mm
Thickness(T)	0.50mm +/-0.10mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

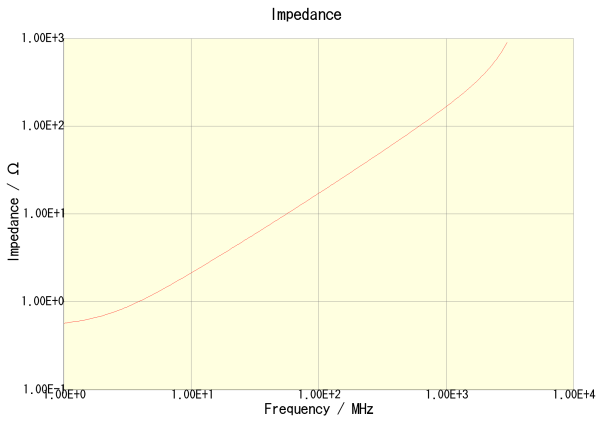
Electrical Characteristics	
Inductance	27nH +/-5% at 100MHz
Rated Current (Temperature Rise) [Max.]	200mA (20degC Rise)
Self-Resonant Frequency [Min.]	3GHz
Self-Resonant Frequency [Typ.]	3.9GHz
Q [Min.]	7 at 100MHz
Q [Typ.]	9 at 100MHz
DC Resistance [Nom.]	530mΩ
DC Resistance [Max.]	800mΩ

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

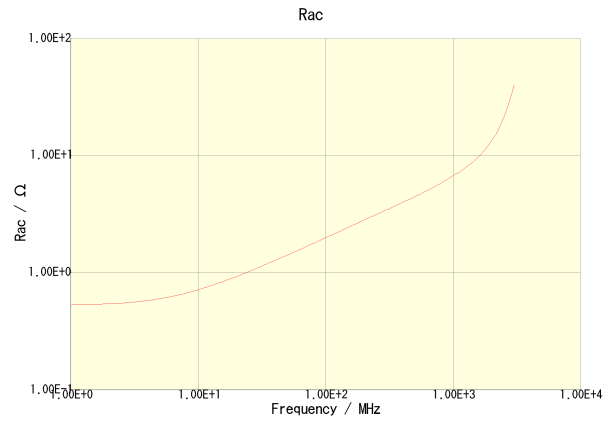
•This PDF document was created based on the data listed on the TDK Corporation website.
 •All specifications are subject to change without notice.

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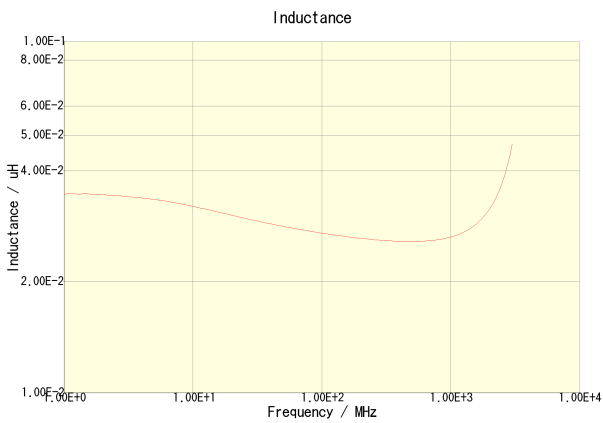
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



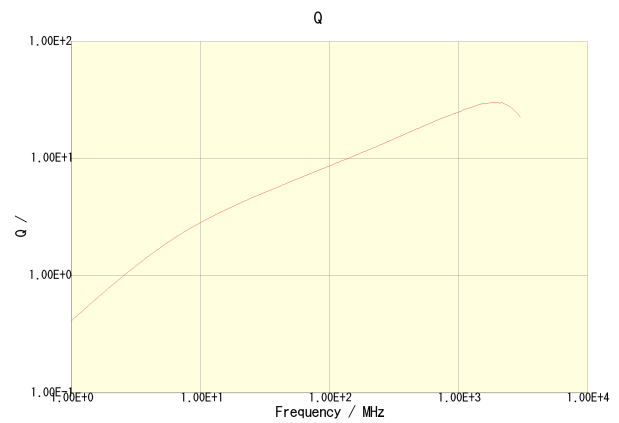
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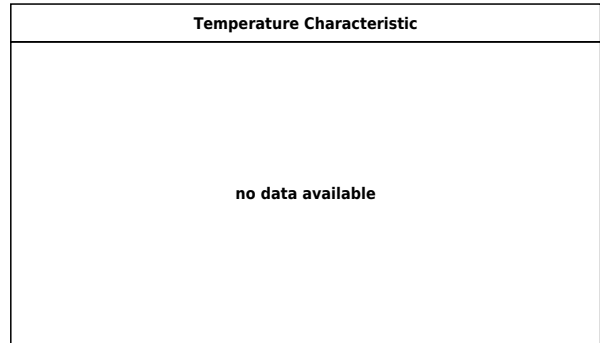


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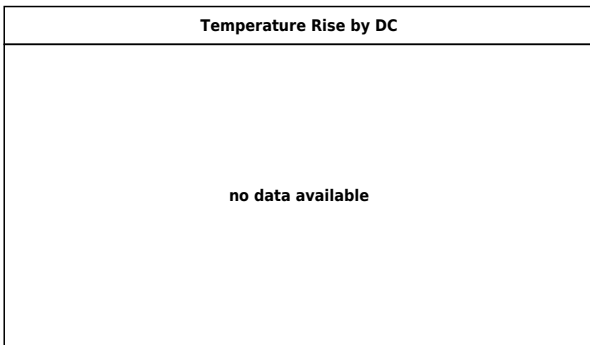
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MLK1005S27NJT000(Amb. Temp. = 20degc)



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