



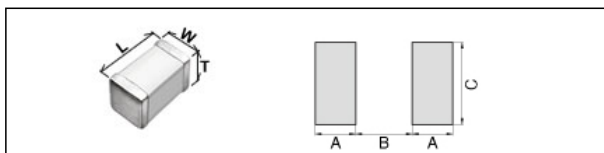


# MLK1005S3N9ST000

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



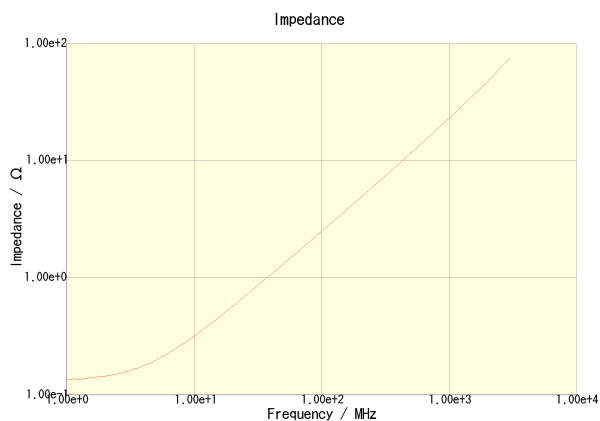
Size	
Length(L)	1.00mm +/-0.10mm
Width(W)	0.50mm +/-0.10mm
Thickness(T)	0.50mm +/-0.10mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	3.9nH +/-0.3nH at 100MHz
Rated Current (Temperature Rise) [Max.]	400mA (20degC Rise)
Self-Resonant Frequency [Min.]	6.5GHz
Self-Resonant Frequency [Typ.]	7.8GHz
Q [Min.]	7 at 100MHz
Q [Typ.]	8 at 100MHz
DC Resistance [Nom.]	120mΩ
DC Resistance [Max.]	250mΩ

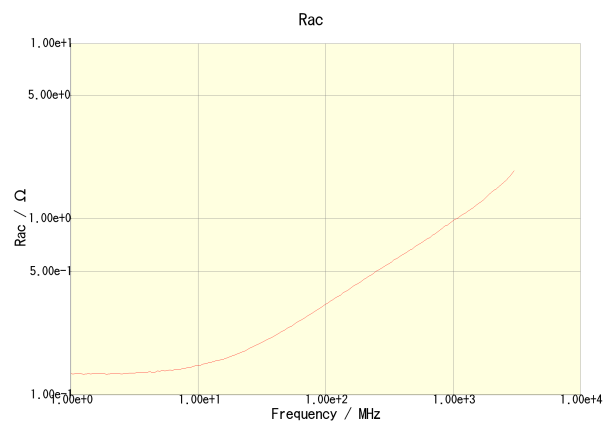
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000Pcs Min.
Weight	0.001g

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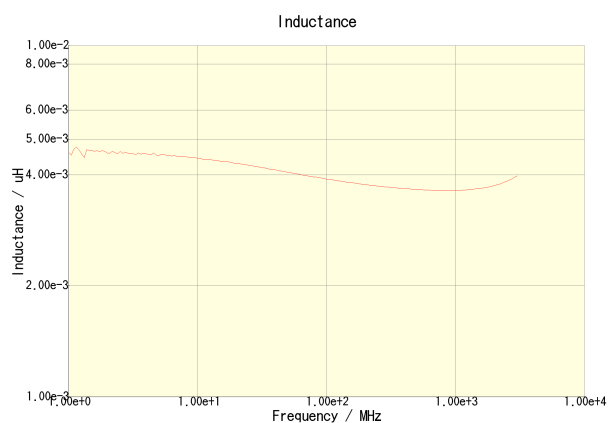
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



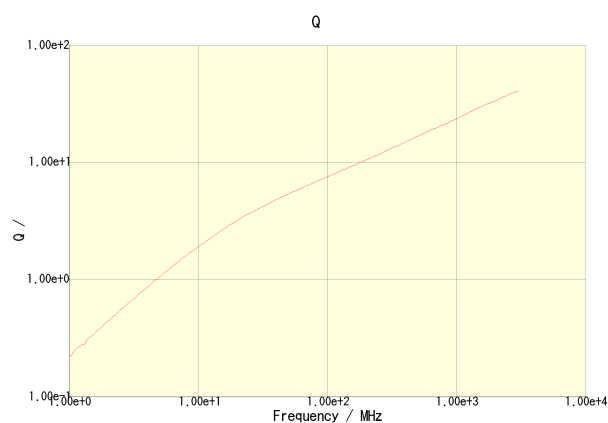
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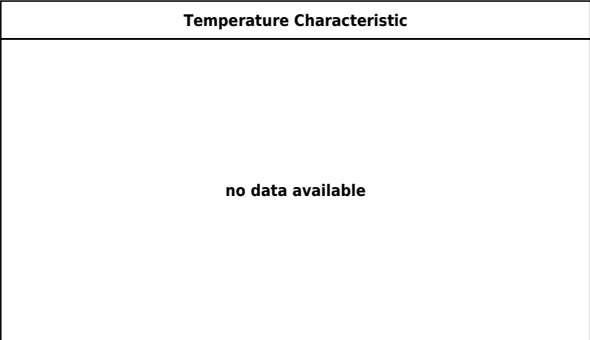
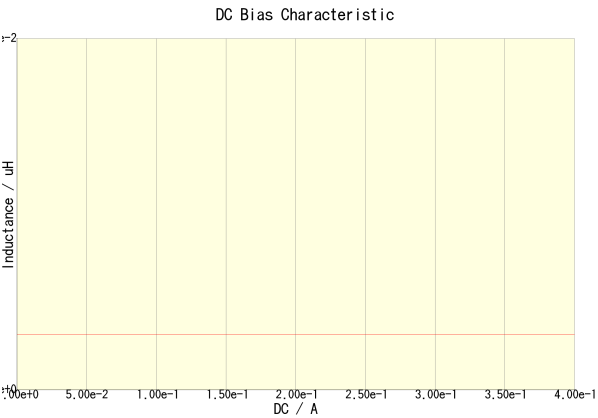
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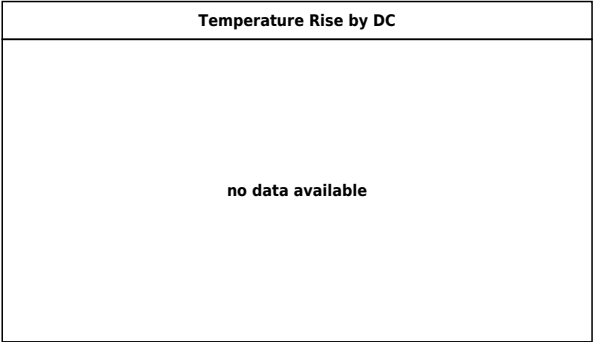
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MLK1005S3N9ST000(Amb. Temp. = 20degc)



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