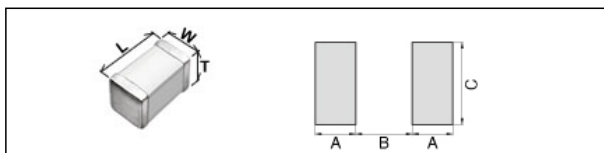


MLK1005S1N2ST000

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



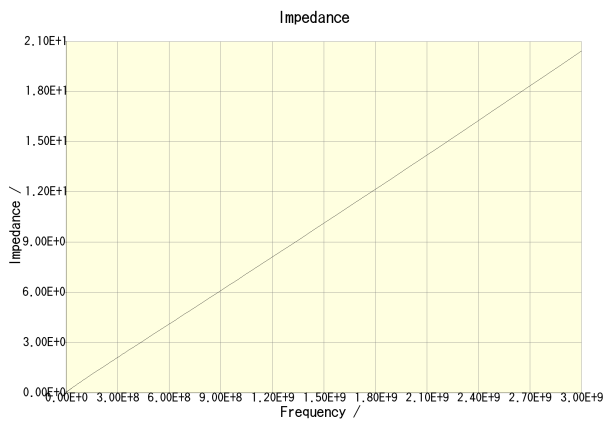
Size	
Length(L)	1.00mm +/-0.10mm
Width(W)	0.50mm +/-0.10mm
Thickness(T)	0.50mm +/-0.10mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	1.2nH +/-0.3nH at 100MHz
Rated Current (Temperature Rise) [Max.]	500mA (20degC Rise)
Self-Resonant Frequency [Min.]	11GHz
Self-Resonant Frequency [Typ.]	14.4GHz
Q [Min.]	5 at 100MHz
Q [Typ.]	7 at 100MHz
DC Resistance [Nom.]	50mΩ
DC Resistance [Max.]	120mΩ

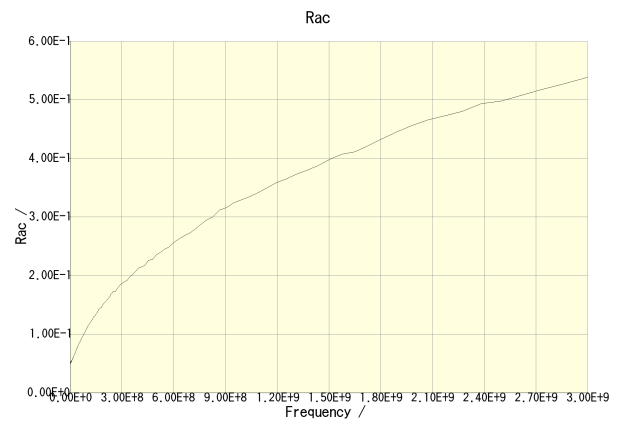
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000Pcs Min.
Weight	0.001g

MLK1005S1N2ST000

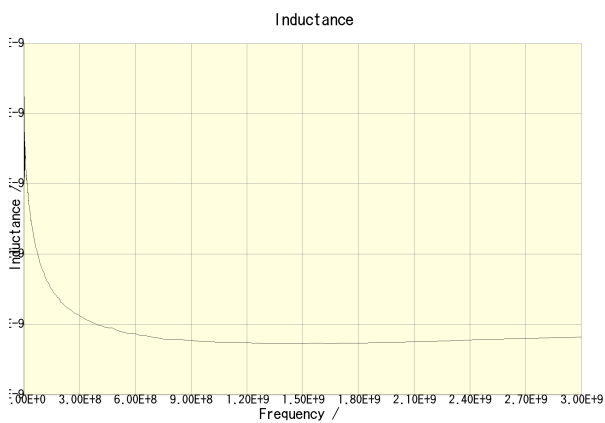
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



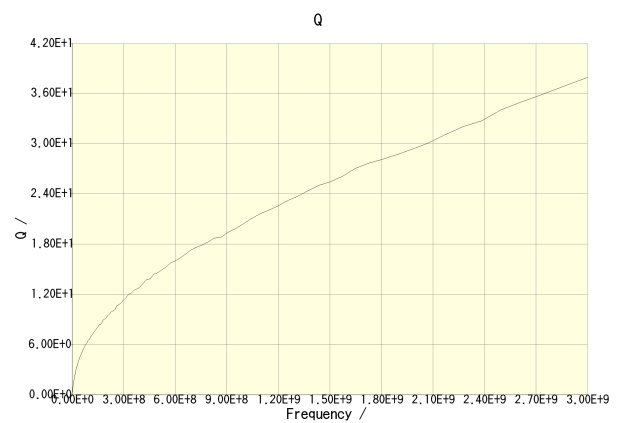
MLK1005S1N2ST000



MLK1005S1N2ST000



MLK1005S1N2ST000



MLK1005S1N2ST000

MLK1005S1N2ST000

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

DC Bias Characteristic

no data available

Temperature Characteristic

no data available

Temperature Rise by DC

no data available