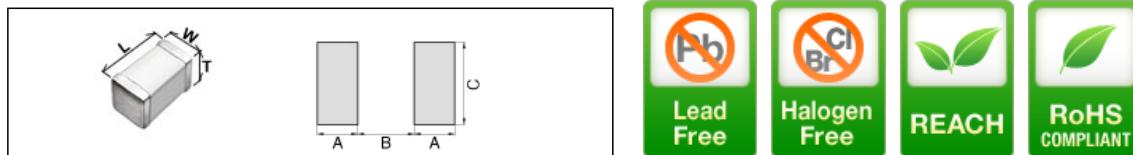


MLK1005S9N1JT000

Applications		Commercial Grade
Feature	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div>Multilayer</div> </div>	Multilayer
	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div>No Directivity</div> </div>	No Directivity
	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div>Non-Magnetic Core (Dielectric Ceramic)</div> </div>	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	9.1nH +/-5% at 100MHz
Rated Current (Temperature Rise) [Max.]	350mA (20degC Rise)
Self-Resonant Frequency [Min.]	4.8GHz
Self-Resonant Frequency [Typ.]	5.8GHz
Q [Min.]	7 at 100MHz
Q [Typ.]	9 at 100MHz
DC Resistance [Nom.]	230mΩ
DC Resistance [Max.]	420mΩ

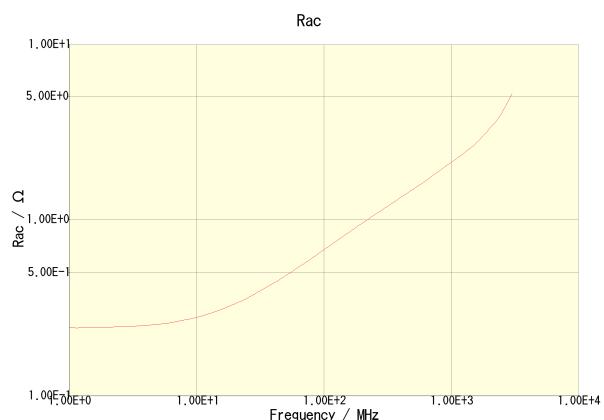
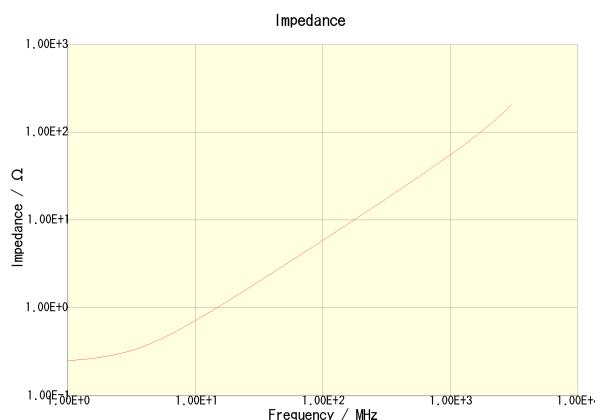
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000Pcs Min.
Weight	0.001g

•This PDF document was created based on the data listed on the TDK Corporation website.

•All specifications are subject to change without notice.

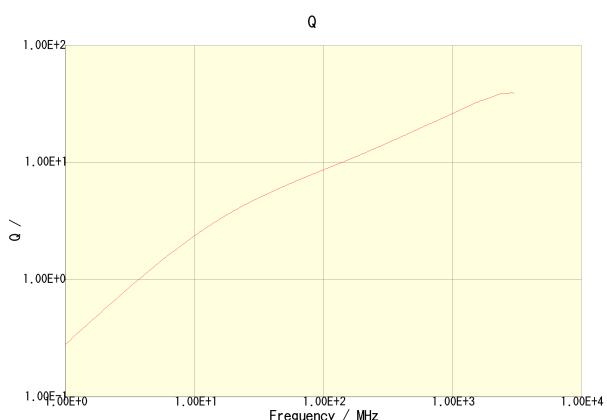
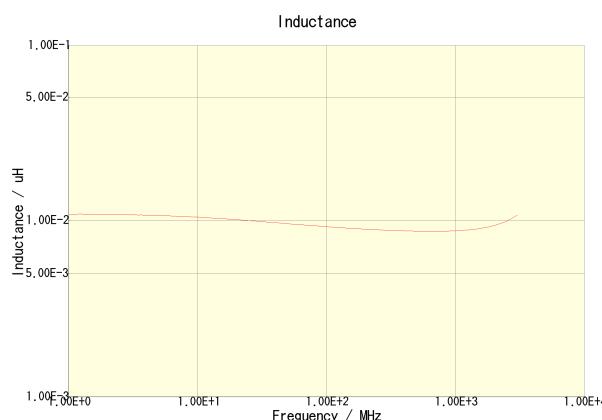
MLK1005S9N1JT000

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



MLK1005S9N1JT000

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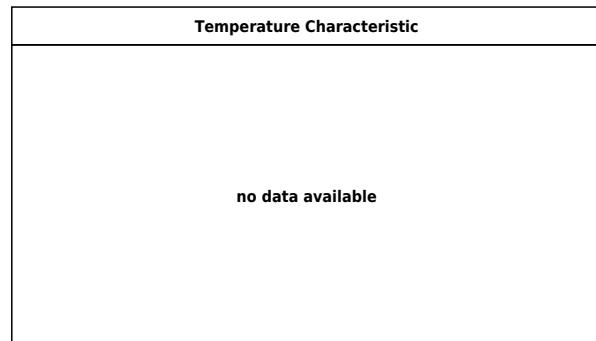
MLK1005S9N1JT000

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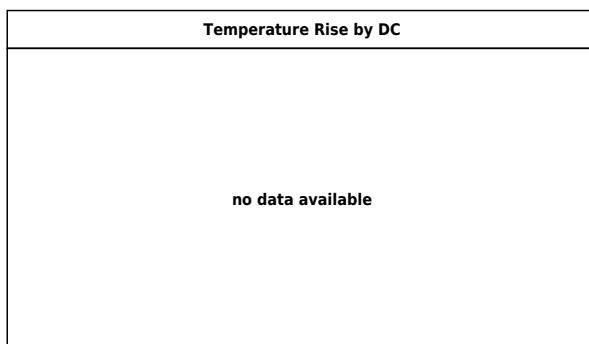
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MLK1005S9N1JT000

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



MLK1005S9N1JT000(Amb. Temp. = 20degc)



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