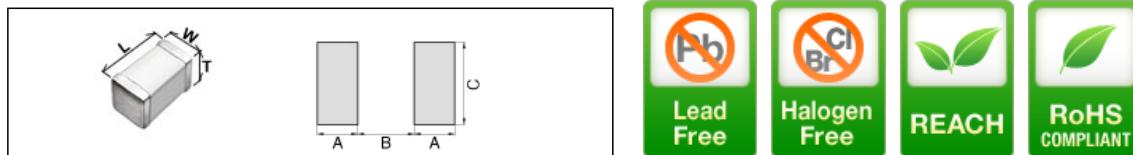


## MLK1005S4N3ST000

Applications		Commercial Grade
Feature	<div style="display: flex; justify-content: space-around;"> <div></div> <div>Multilayer</div> </div> <div style="display: flex; justify-content: space-around;"> <div></div> <div>No Directivity</div> </div> <div style="display: flex; justify-content: space-around;"> <div></div> <div>Non-Magnetic Core (Dielectric Ceramic)</div> </div>	
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	4.3nH +/-0.3nH at 100MHz
Rated Current (Temperature Rise) [Max.]	400mA (20degC Rise)
Self-Resonant Frequency [Min.]	6.3GHz
Self-Resonant Frequency [Typ.]	7.4GHz
Q [Min.]	7 at 100MHz
Q [Typ.]	8 at 100MHz
DC Resistance [Nom.]	130mΩ
DC Resistance [Max.]	280mΩ

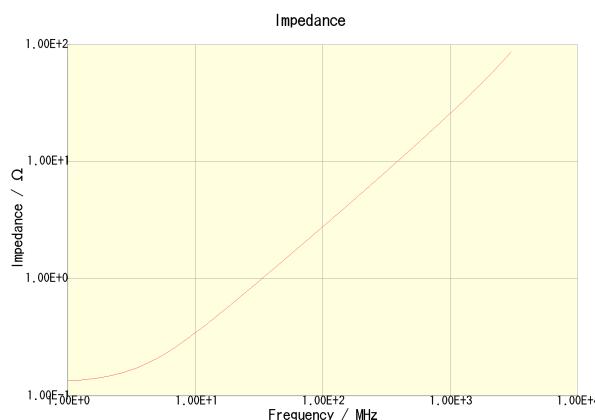
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000Pcs Min.
Weight	0.001g

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

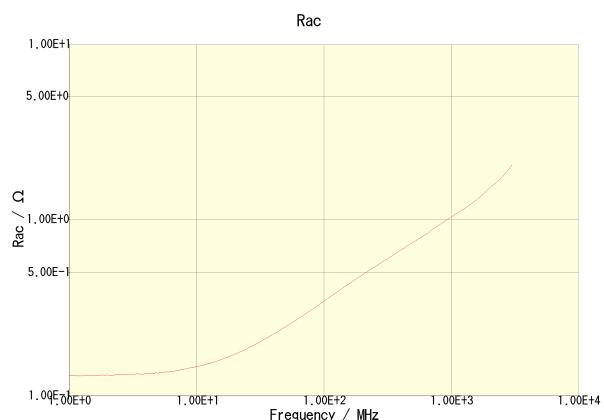
•All specifications are subject to change without notice.

## MLK1005S4N3ST000

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



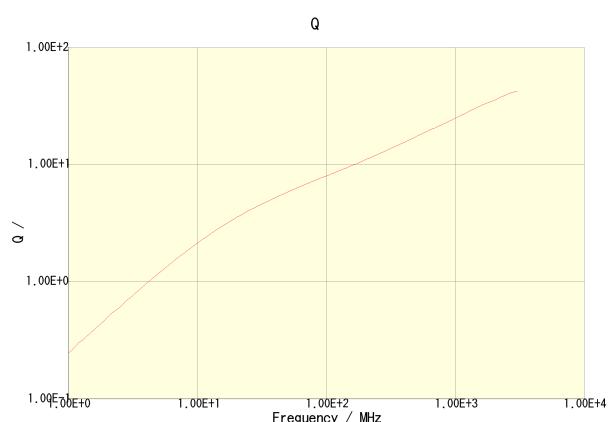
MLK1005S4N3ST000



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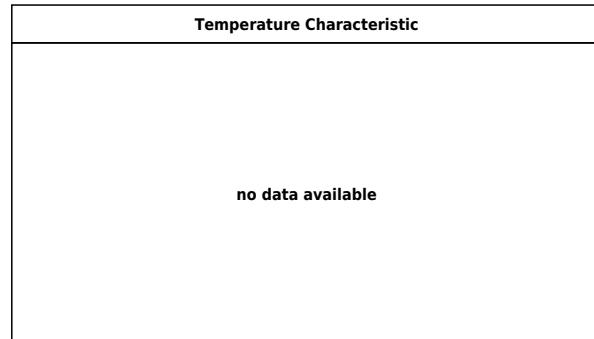
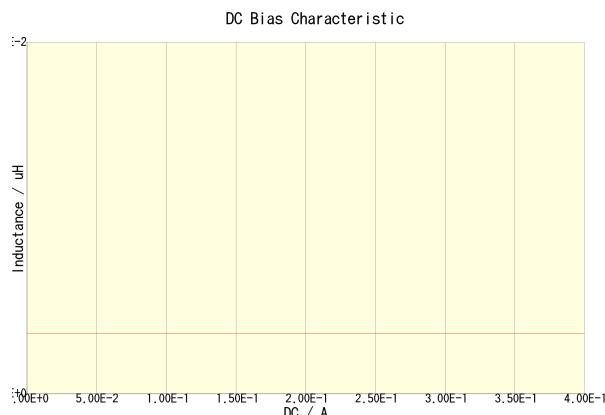
MLK1005S4N3ST000

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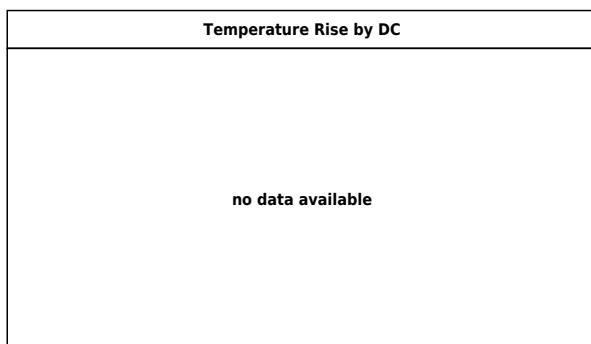
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## MLK1005S4N3ST000

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



MLK1005S4N3ST000(Amb. Temp. = 20degC)



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