

MLF1005GR56KT000

<b>Product Status</b>	<a href="#">Production</a>
<b>Applications</b>	Commercial Grade
<b>Feature</b>	No DirectivityNo Directivity
	MultilayerMultilayer
	ShieldMagnetic Shield
	Ferrite CoreFerrite Core
<b>Series   Type</b>	MLF
<b>Brand</b>	TDK
<b>Environmental Compliance</b>	



Size	
Length(L)	1.00mm ±0.05mm
Width(W)	0.50mm ±0.05mm
Thickness   Height	0.50mm ±0.05mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	560nH ±10% at 10MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	45mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	340mΩ
DC Resistance [Max.]	470mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	170MHz
Self Resonant Frequency [Typ.]	450MHz
Q [Min.]	30 at 10MHz
Q [Typ.]	55 at 10MHz

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow
	Iron Soldering
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel]

! Images are for reference only and show exemplary products.  
! 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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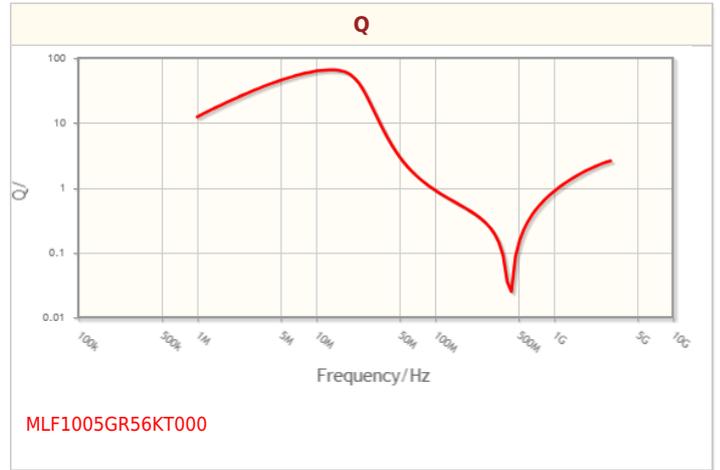
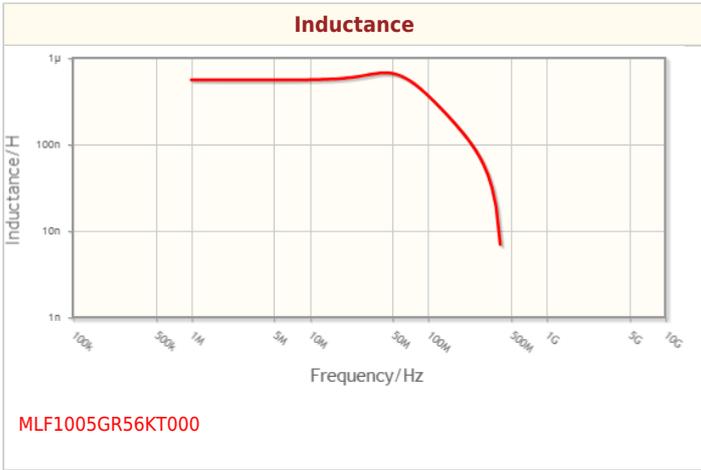
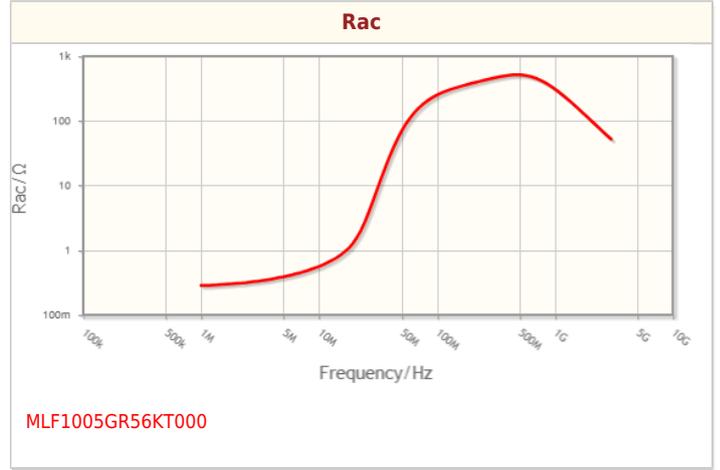
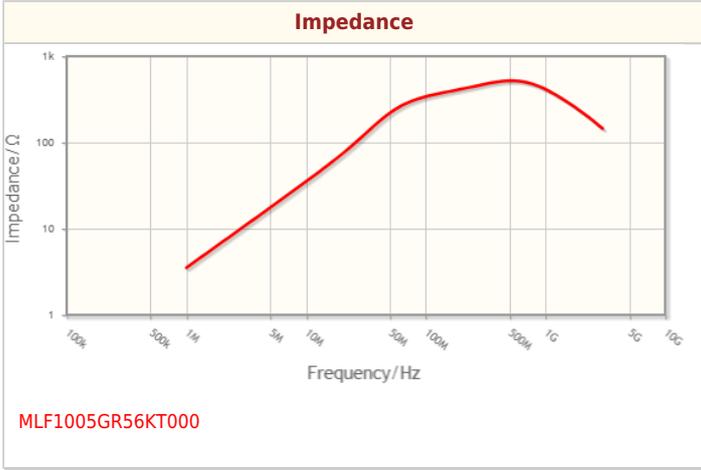
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Package Quantity	10000pcs
Weight	0.0012g
FIT (Failure In Time)	 This will be displayed when you <a href="#">login</a> to myTDK

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



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## Associated Images

