



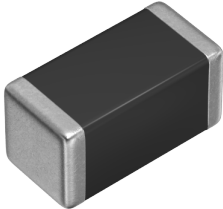


Product Status	Obsolete
	Recommended Alternate Part No. : MLF1005GR82KT000 (Interchangeability is not guaranteed.)
	Discontinue Issue Date : Aug.5, 2019
	Last Purchase Order Date : Mar.31, 2021
	Last Shipment Date : Sep.30, 2021
Applications	Commercial Grade
Feature	MultilayerMultilayer
	ShieldMagnetic Shield
	Ferrite CoreFerrite Core
Series Type	MLF
Brand	TDK
Environmental Compliance	<div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div>



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.

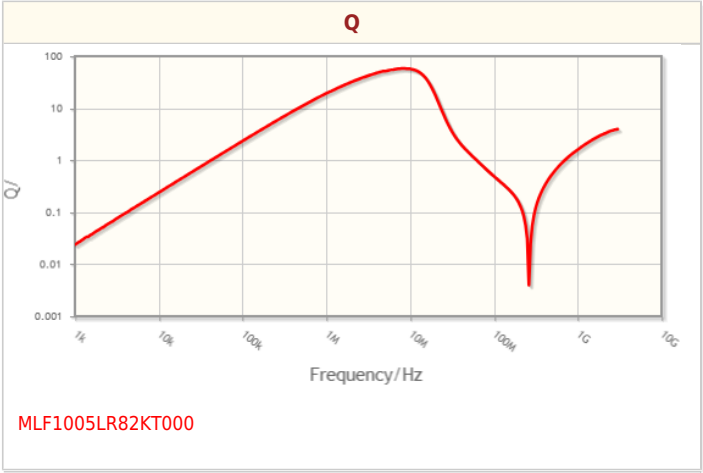
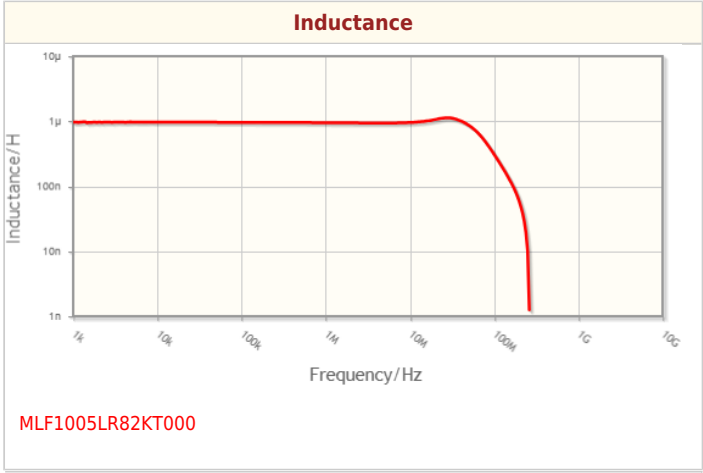
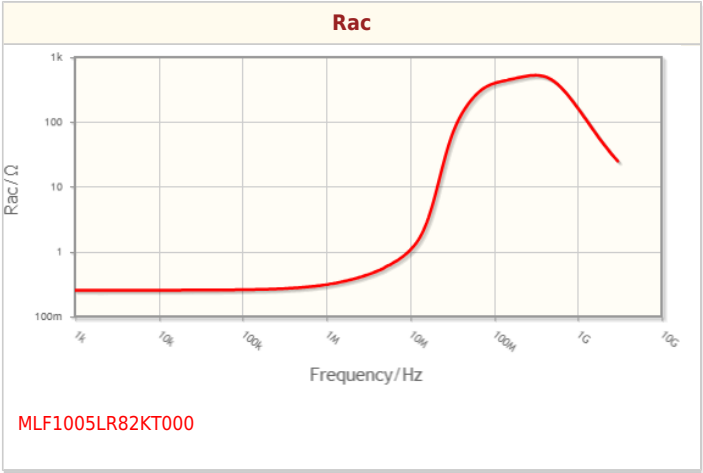
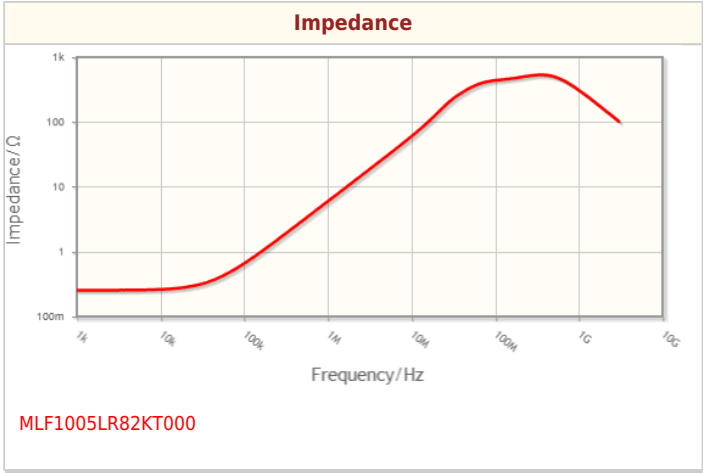
Electrical Characteristics	
Inductance	820nH ±10% at 10MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	35mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	
DC Resistance [Max.]	590mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	130MHz
Self Resonant Frequency [Typ.]	
Q [Min.]	25 at 10MHz
Q [Typ.]	

Other	
Operating Temp. Range	-40 to 85°C

! 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.

Soldering Method	Reflow Iron Soldering
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000pcs
Weight	0.0012g

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



Associated Images

