

Obsolete

Recommended Alternate Part No. : [MLF1005GR82KT000](#) (Interchangeability is not guaranteed.)

Product Status

Discontinue Issue Date : Aug.5, 2019

Last Purchase Order Date : Mar.31, 2021

Last Shipment Date : Sep.30, 2021

Applications

Commercial Grade

Feature

Multilayer Multilayer

Shield Magnetic Shield

Ferrite Core Ferrite Core

Series | Type

MLF

Brand

TDK

Environmental

RoHS



REACH



Halogen Free



Lead Free

Compliance**Size**

Length(L)	1.00mm ± 0.05 mm
Width(W)	0.50mm ± 0.05 mm
Thickness Height	0.50mm ± 0.05 mm
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 $\pm 10\%$ 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.]	590m Ω
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
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! Images are for reference only and show exemplary products.

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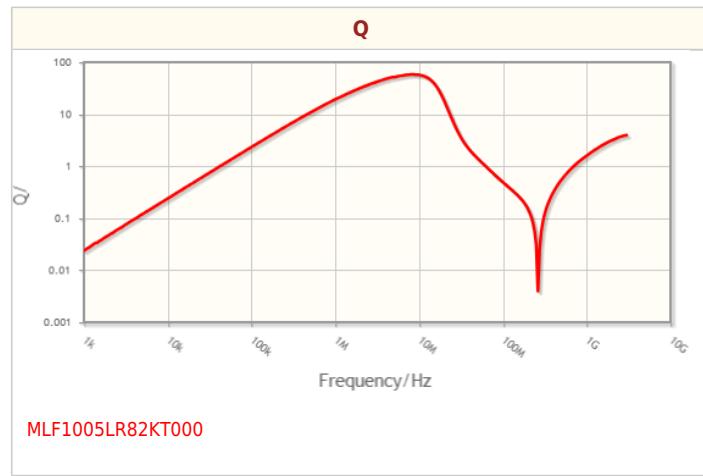
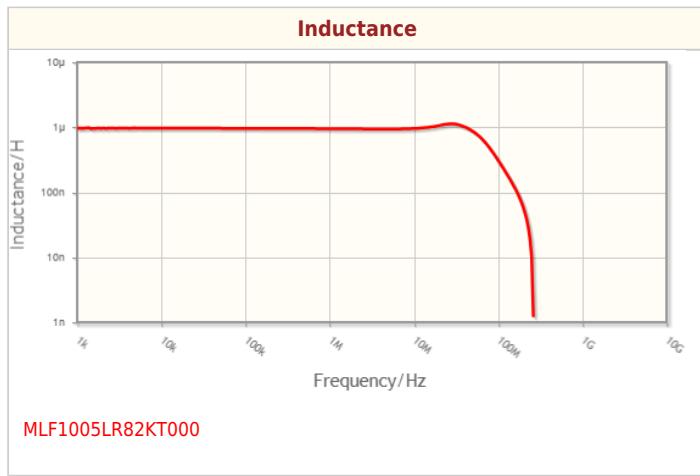
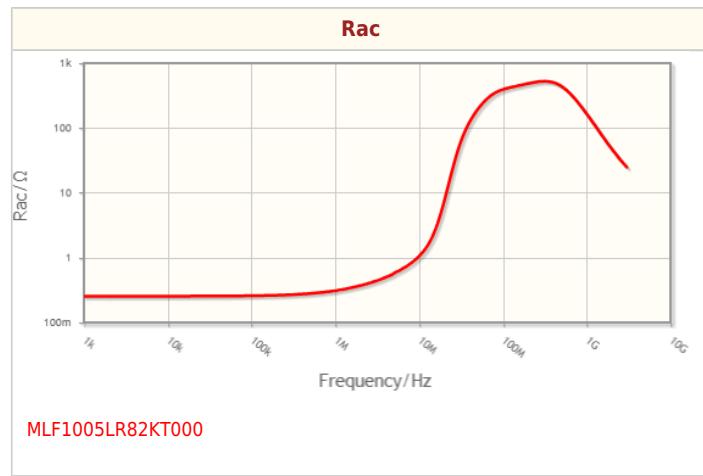
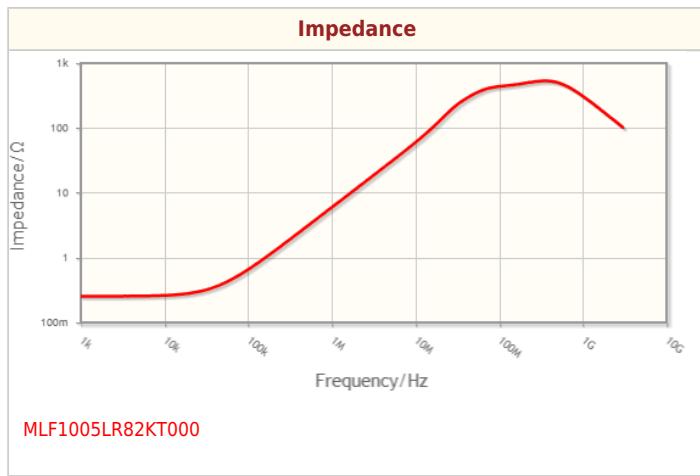
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Soldering Method	Reflow Iron Soldering
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000pcs
Weight	0.0012g

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MLF1005LR82KT000

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



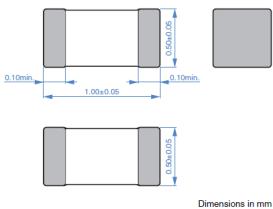
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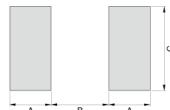
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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