

MLF1005G1R0JTD25



Applications	Automotive Grade
Feature	Shield Magnetic Shield Multilayer Multilayer Ferrite Core Ferrite Core AEC-Q200 AEC-Q200
Series Type	MLF
Status	Production
Brand	TDK



Size	
Length(L)	1.00mm ±0.05mm
Width(W)	0.50mm ±0.05mm
Thickness(T)	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	1μH ±5% at 10MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	40mA
DC Resistance [Typ.]	450mΩ
DC Resistance [Max.]	640mΩ
Self Resonant Frequency [Min.]	120MHz
Self Resonant Frequency [Typ.]	290MHz
Q [Min.]	30
Q [Typ.]	60

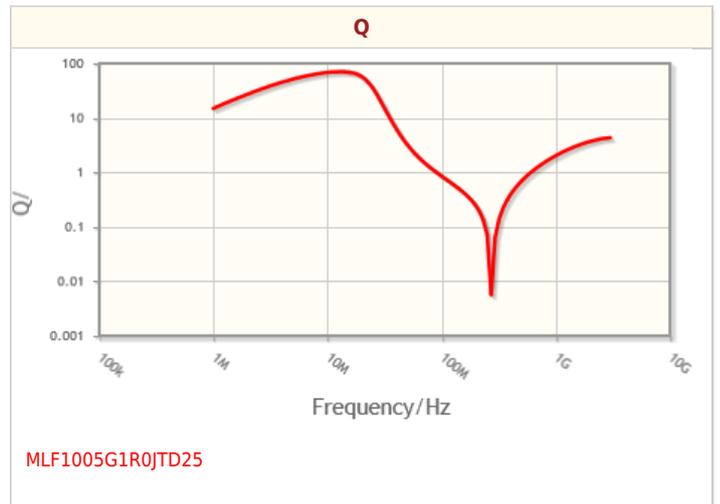
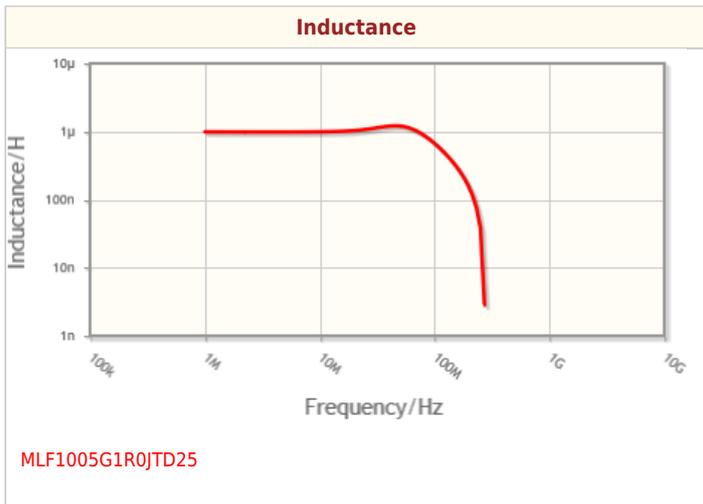
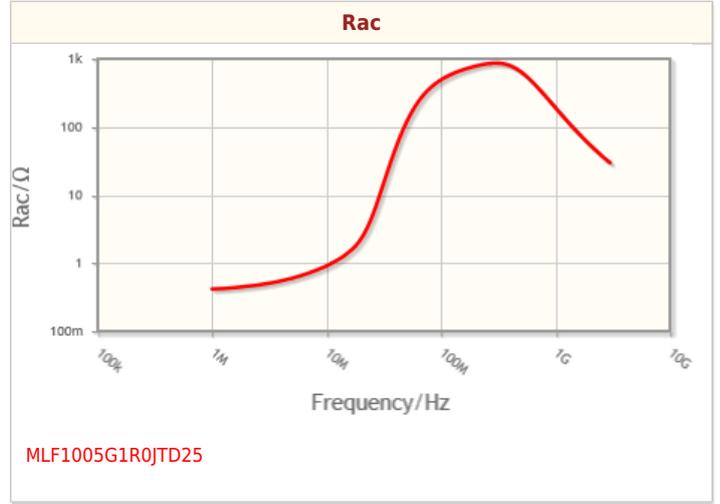
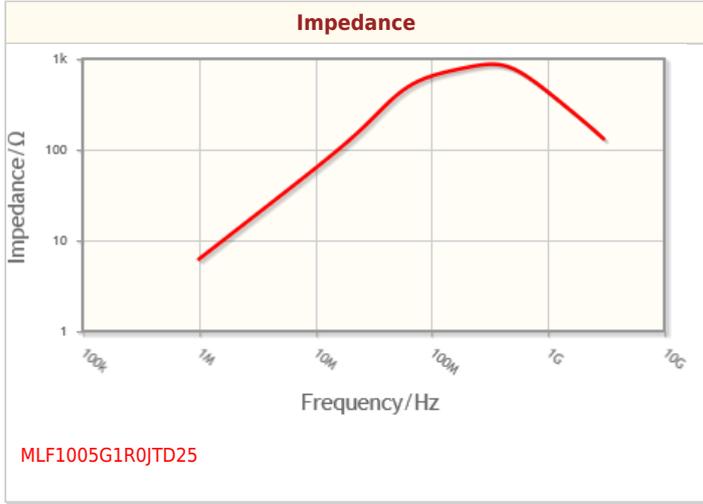
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	Yes
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000pcs
Weight	0.0012g

Images are for reference only and show exemplary products.
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 ! All specifications are subject to change without notice.

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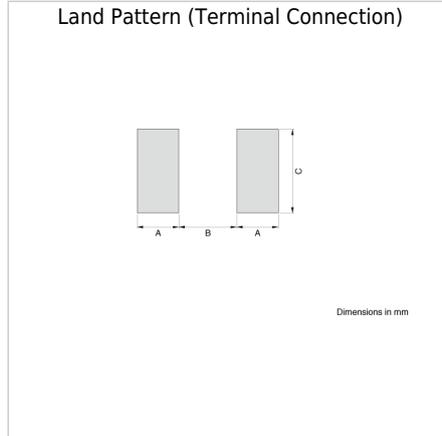
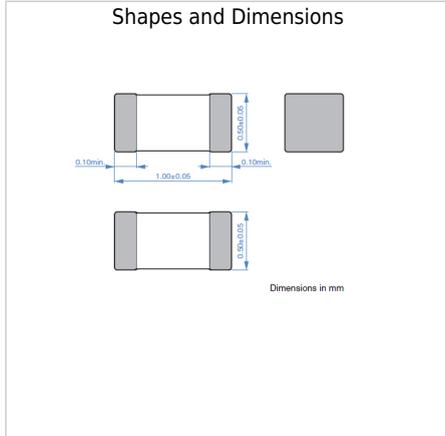
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



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Associated Images



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