

Product Status	Production
Applications	Automotive Grade
	AEC-Q200
	No Directivity
Feature	Multilayer
	Shield
	Ferrite Core
Series Type	MLF
Brand	TDK
Environmental Compliance	 RoHS  REACH  Halogen Free  Lead Free



Size	
Length(L)	2.00mm \pm 0.20mm
Width(W)	1.25mm \pm 0.20mm
Thickness Height	1.25mm \pm 0.20mm
Recommended Land Pattern (A)	0.80mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.20mm Nom.

Electrical Characteristics	
Inductance	39 μ H \pm 10% at 2MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	4mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	1.3 Ω
DC Resistance [Max.]	2.4 Ω
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	13MHz
Self Resonant Frequency [Typ.]	23MHz
Q [Min.]	35 at 2MHz
Q [Typ.]	55 at 2MHz

Other	
Operating Temp. Range	-40 to 85°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES

! Images are for reference only and show exemplary products.

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

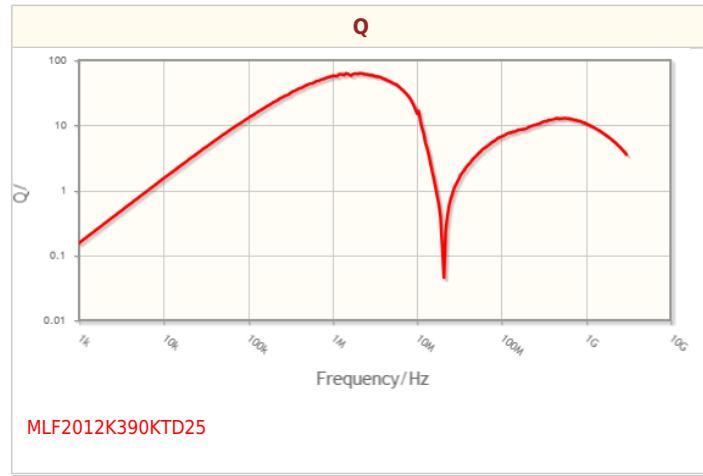
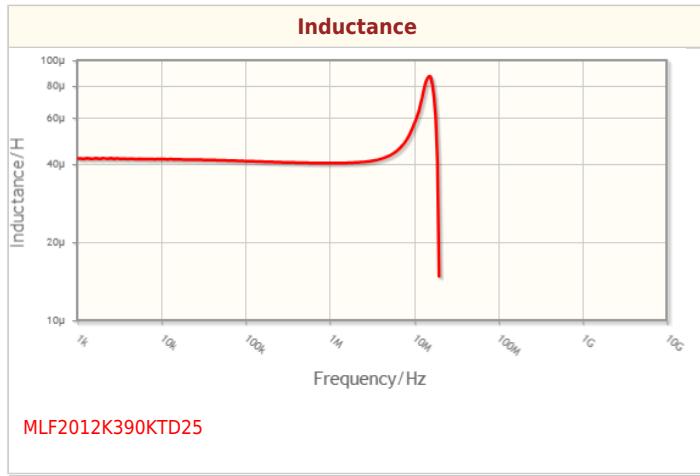
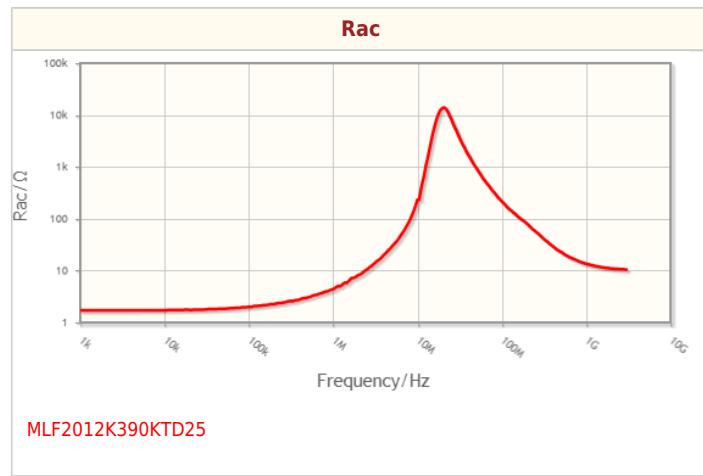
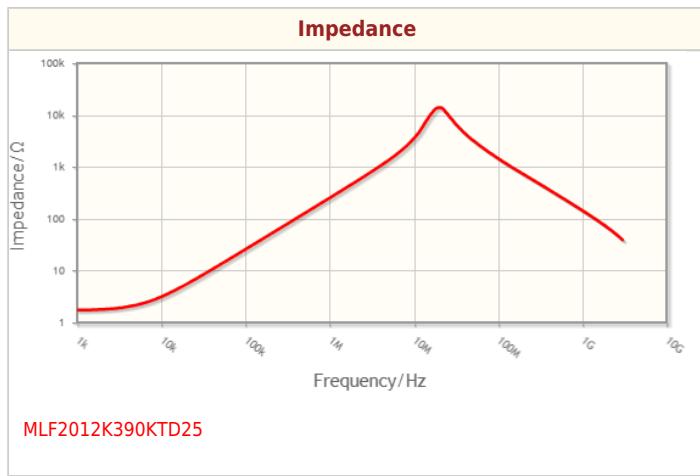
! All specifications are subject to change without notice.

MLF2012K390KTD25

Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.014g

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



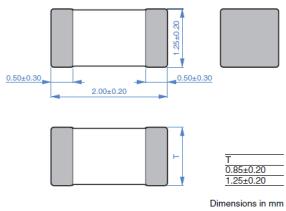
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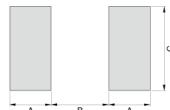
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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