

MLF2012A1R8KTD25

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 $\pm 0.20$ mm
Width(W)	1.25mm $\pm 0.20$ mm
Thickness   Height	0.85mm $\pm 0.20$ mm
Recommended Land Pattern (A)	0.80mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.20mm Nom.

Electrical Characteristics	
Inductance	1.8 $\mu$ H $\pm 10\%$ at 10MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	80mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	200m $\Omega$
DC Resistance [Max.]	450m $\Omega$
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	90MHz
Self Resonant Frequency [Typ.]	130MHz
Q [Min.]	45 at 10MHz
Q [Typ.]	60 at 10MHz

Other	
Operating Temp. Range	-55 to 125°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.

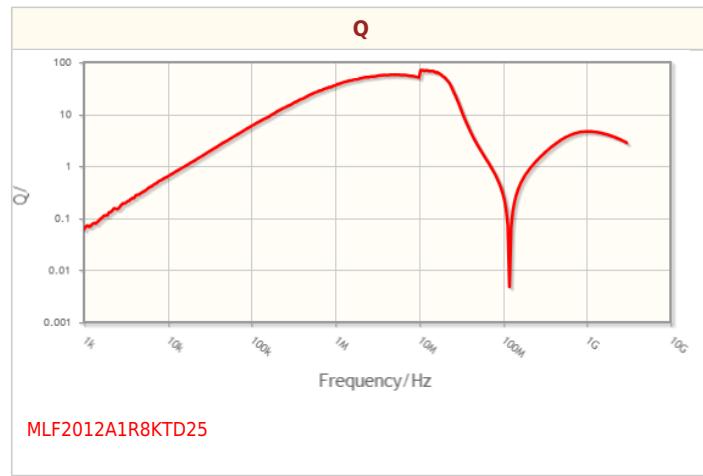
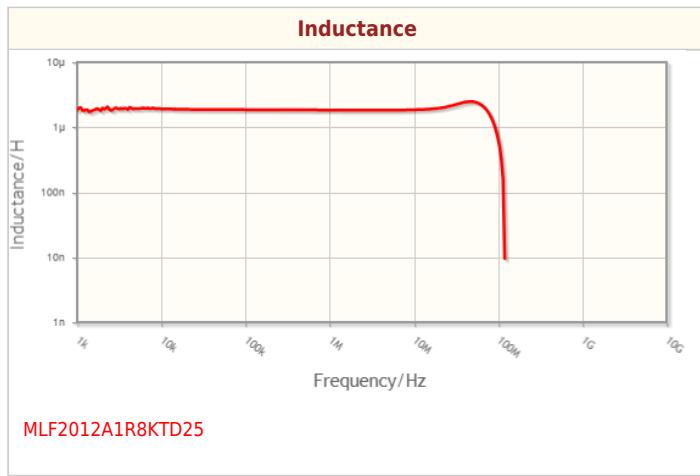
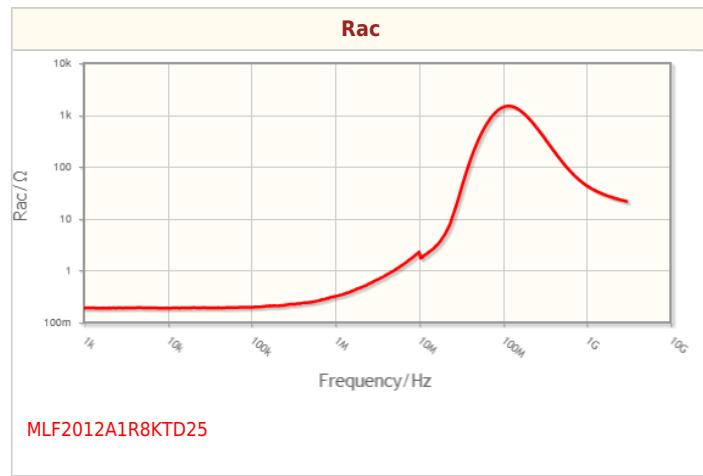
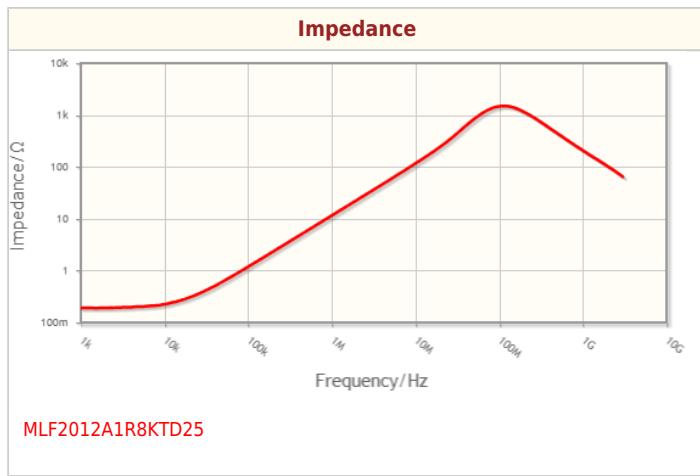
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Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs
Weight	0.01g

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



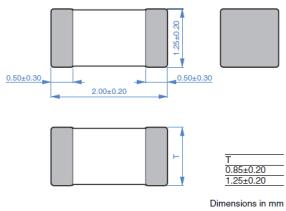
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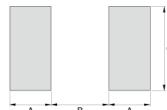
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## Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



Dimensions in mm

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