

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)	1.60mm ±0.15mm
Width(W)	0.80mm ±0.15mm
Thickness   Height	0.80mm ±0.15mm
Recommended Land Pattern (A)	0.60mm Nom.
Recommended Land Pattern (B)	0.80mm Nom.
Recommended Land Pattern (C)	0.80mm Nom.

Electrical Characteristics	
Inductance	820nH ±20% at 25MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	70mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	750mΩ
DC Resistance [Max.]	1.4Ω
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	130MHz
Self Resonant Frequency [Typ.]	190MHz
Q [Min.]	15 at 25MHz
Q [Typ.]	30 at 25MHz

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.

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! All specifications are subject to change without notice.

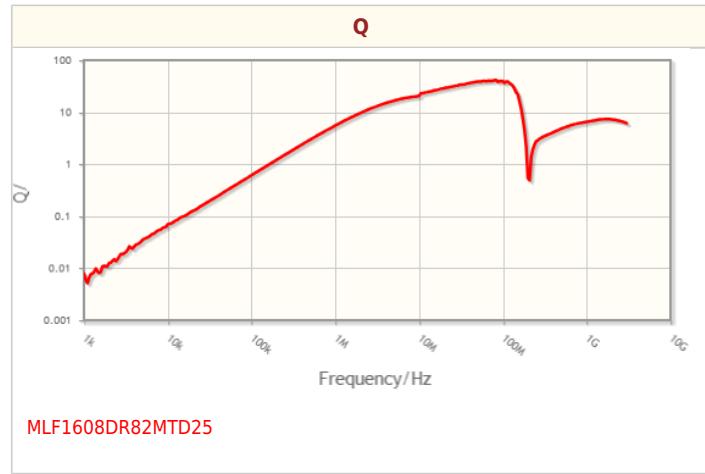
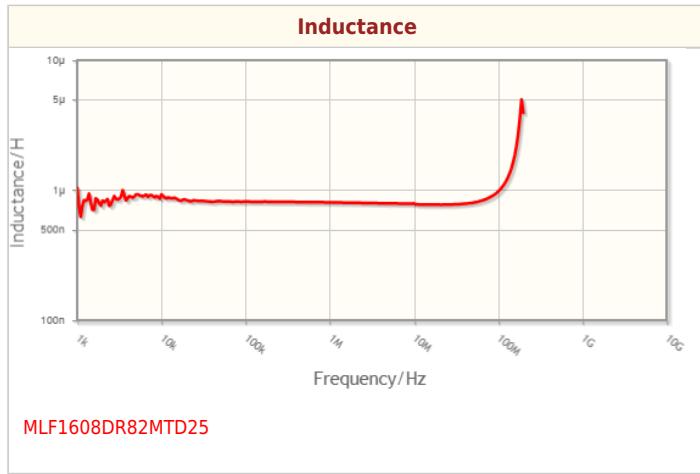
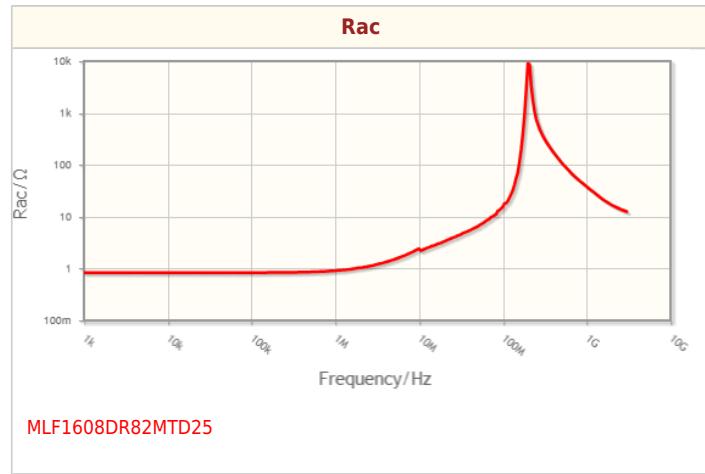
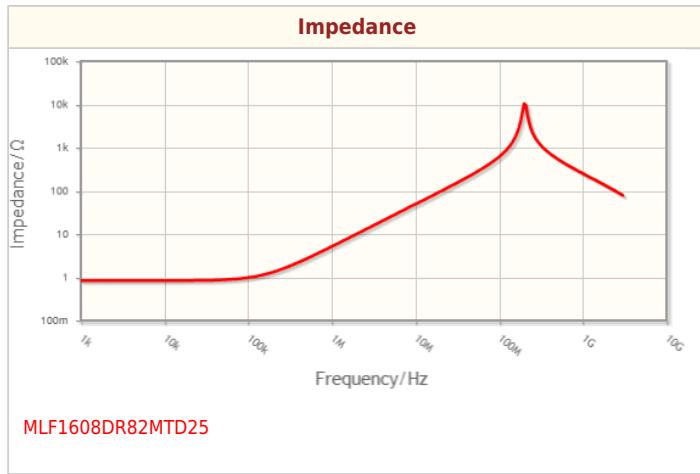
## MLF1608DR82MTD25

Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs
Weight	0.004g

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



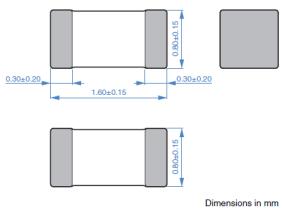
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## Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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