

## MLG1005SR20HTD25

Product Status	Production
Applications	Automotive Grade
	AEC-Q200
Feature	Multilayer
	Multilayer
	Non-Mag Core
	Non-Magnetic Core (Dielectric Ceramic)
Series   Type	MLG
Brand	TDK
Environmental Compliance	 RoHS  REACH  Halogen Free  Lead Free



Size	
Length(L)	1.00mm $\pm 0.05$ mm
Width(W)	0.50mm $\pm 0.05$ mm
Thickness   Height	0.50mm $\pm 0.05$ 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	200nH $\pm 3\%$ at 100MHz
Rated Current	100mA
DC Resistance [Typ.]	3.15Ω
DC Resistance [Max.]	4.2Ω
Self Resonant Frequency [Min.]	420MHz
Self Resonant Frequency [Typ.]	500MHz
Q [Min.]	8 at 100MHz
Q [Typ.]	12 at 100MHz

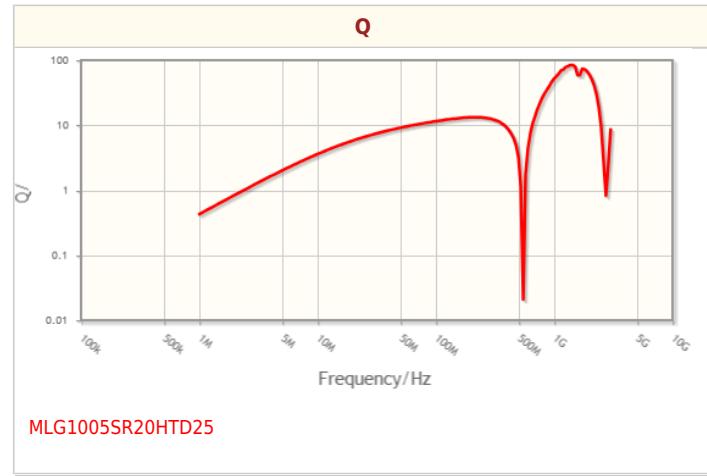
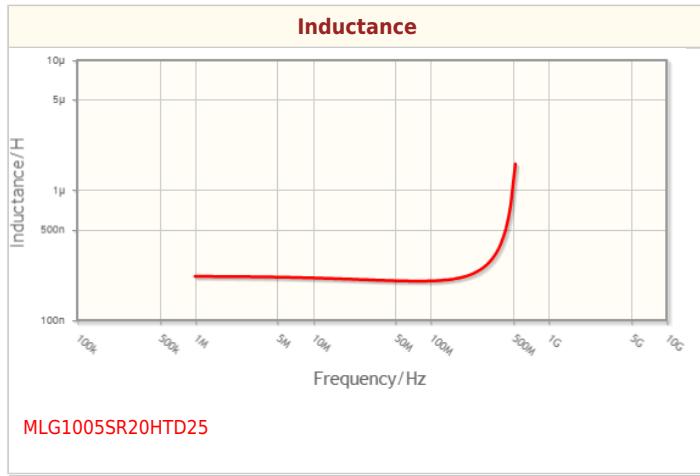
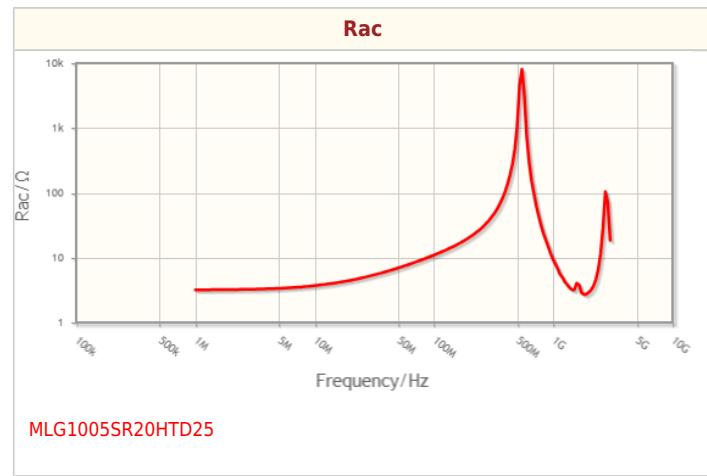
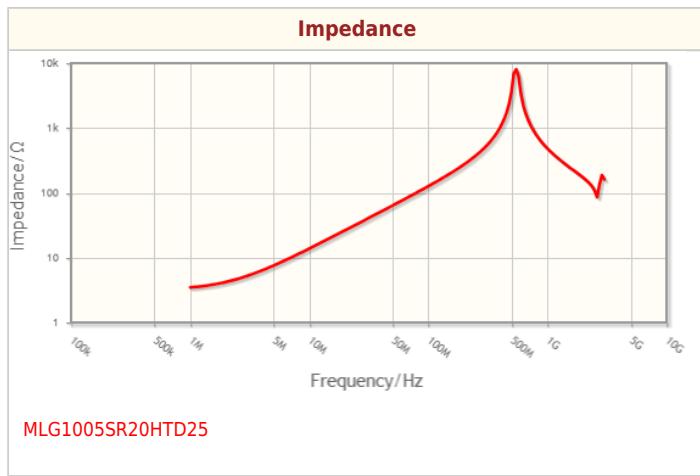
Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	10000pcs
Weight	0.001g

! Images are for reference only and show exemplary products.

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! All specifications are subject to change without notice.

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

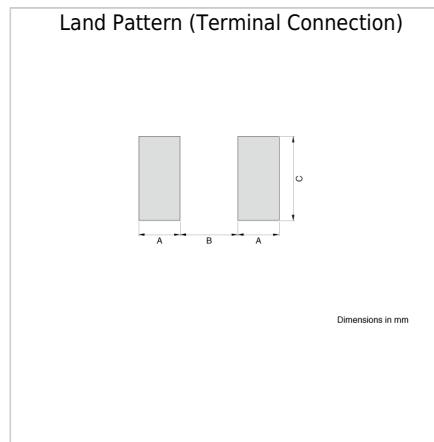
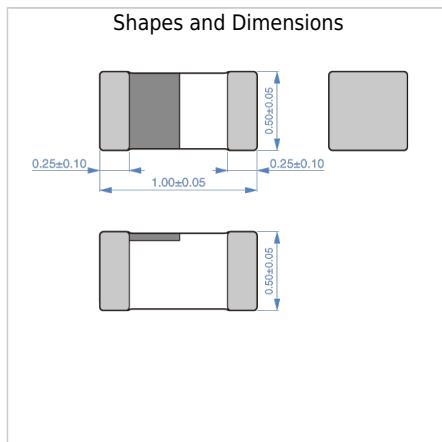


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## Associated Images



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