

<b>Applications</b>	Automotive Grade
<b>Feature</b>	AEC-Q200 Multilayer Non-Magnetic Core (Dielectric Ceramic)
<b>Series   Type</b>	MLG
<b>Status</b>	Production
<b>Brand</b>	TDK



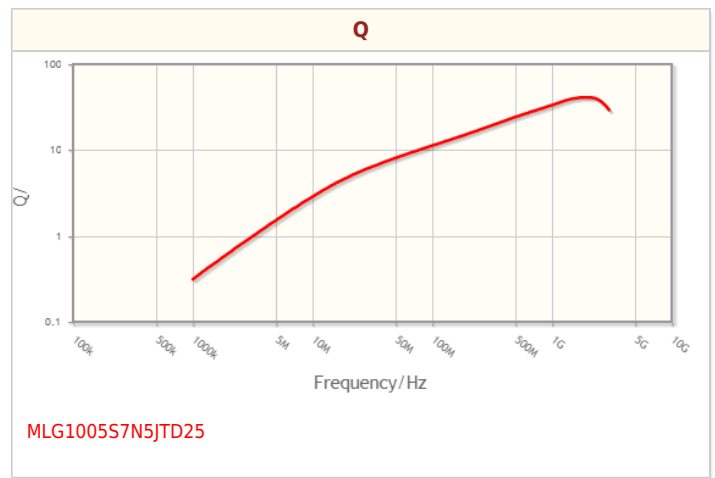
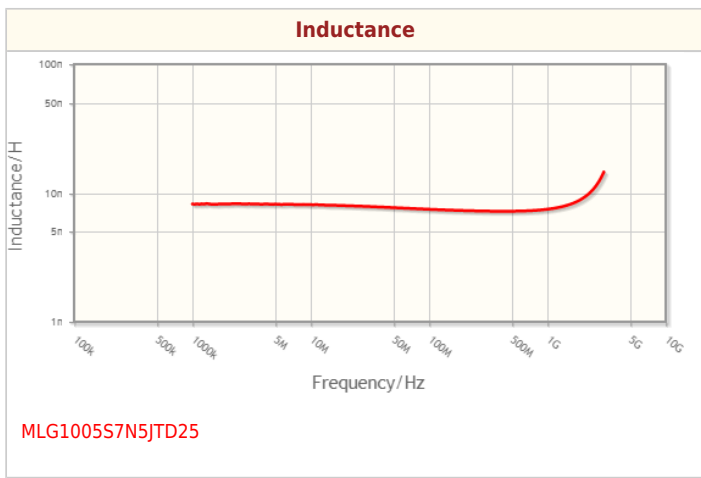
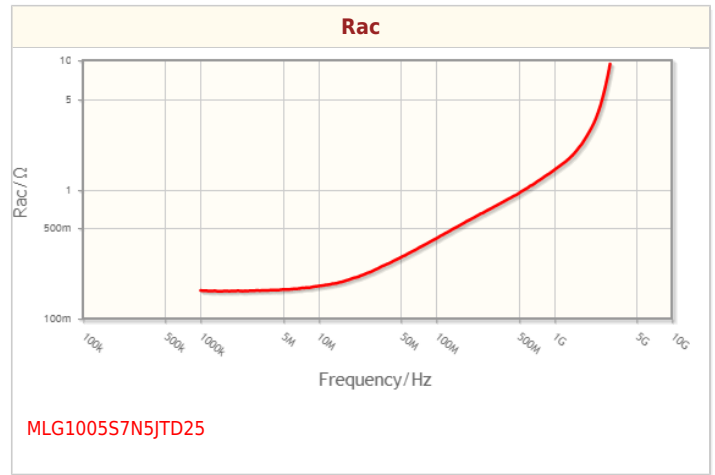
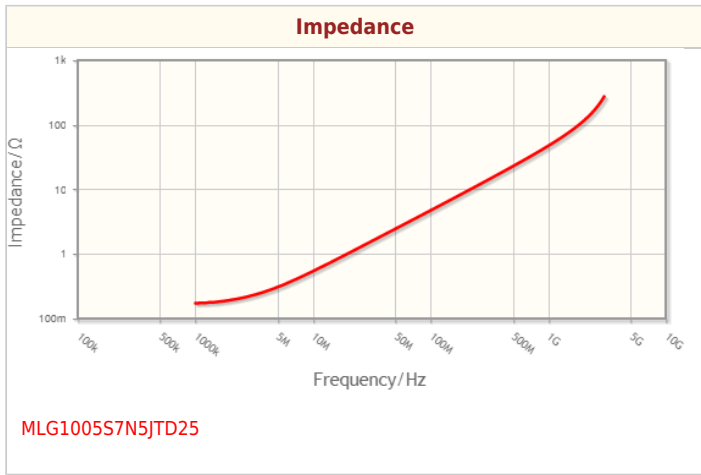
Size	
Length(L)	1.00mm ±0.05mm
Width(W)	0.50mm ±0.05mm
Thickness   Height	0.50mm ±0.05mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	7.5nH ±5% at 100MHz
Rated Current	500mA
DC Resistance [Typ.]	150mΩ
DC Resistance [Max.]	250mΩ
Self Resonant Frequency [Min.]	3GHz
Self Resonant Frequency [Typ.]	4.1GHz
Q [Min.]	8 at 100MHz
Q [Typ.]	11 at 100MHz

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, Tape width 8mm]
Package Quantity	10000pcs
Weight	0.001g

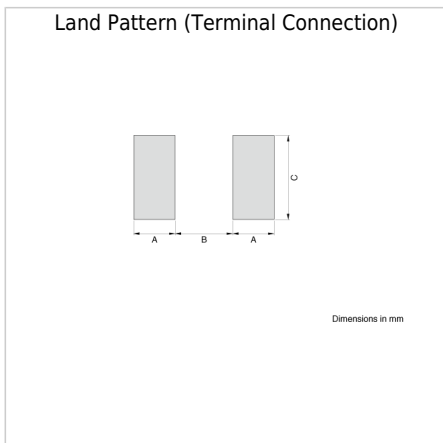
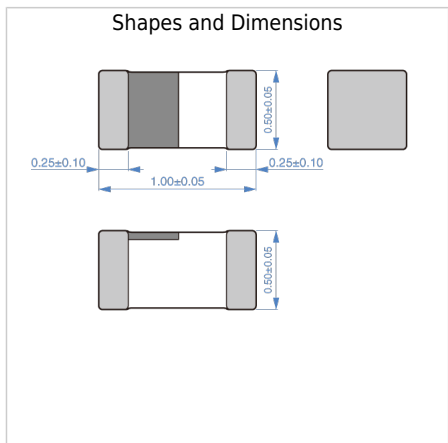
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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



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## Associated Images



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