

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



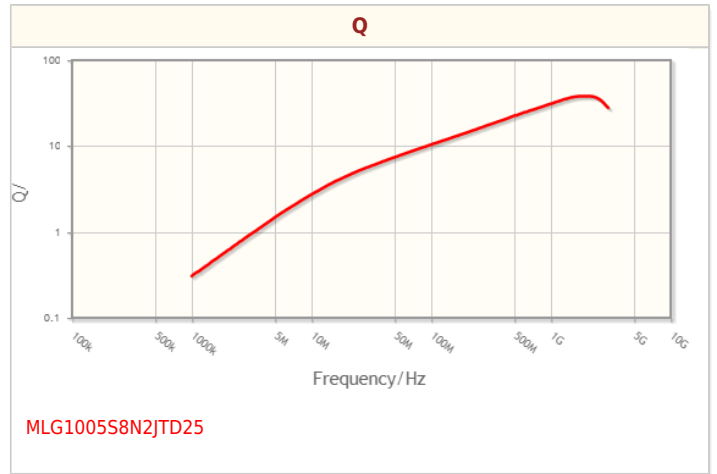
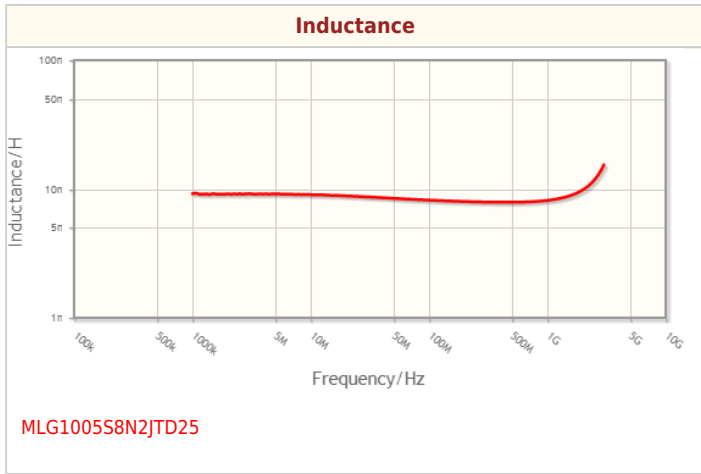
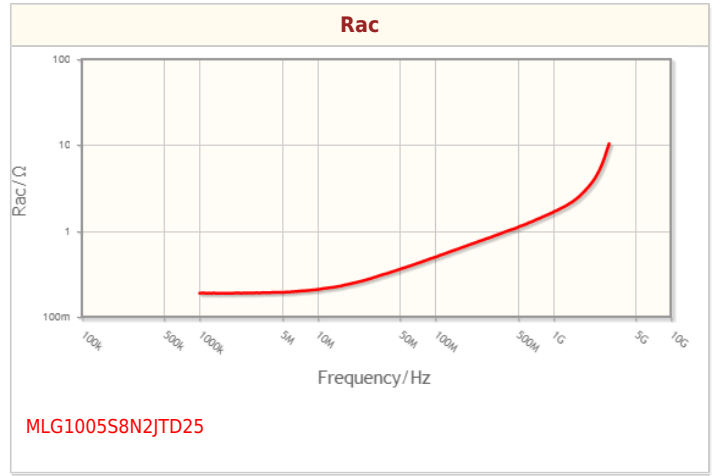
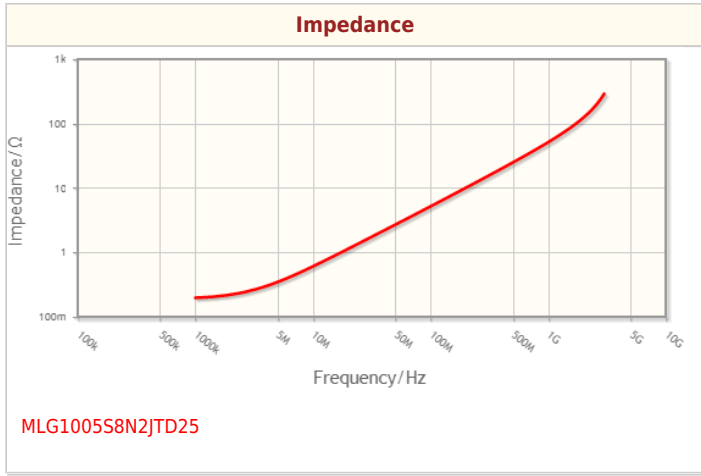
Size	
Length(L)	1.00mm ±0.05mm
Width(W)	0.50mm ±0.05mm
Thickness Height	0.50mm ±0.05mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	8.2nH ±5% at 100MHz
Rated Current	500mA
DC Resistance [Typ.]	190mΩ
DC Resistance [Max.]	300mΩ
Self Resonant Frequency [Min.]	3GHz
Self Resonant Frequency [Typ.]	4GHz
Q [Min.]	8 at 100MHz
Q [Typ.]	10 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

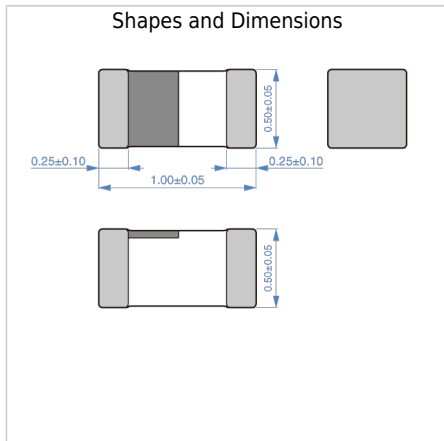
! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

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



! 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.

Associated Images



! 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.