

Applications	Automotive Grade
Feature	<p> AEC-Q200</p> <p> No Directivity</p> <p> Multilayer</p> <p> Non-Magnetic Core (Dielectric Ceramic)</p> <p>High Self Resonant Frequency</p>
Series Type	MLK
Status	<p> EOL announced</p> <p>Recommended Alternate Part No. : MLG1005S1N8STD25 (Interchangeability is not guaranteed.)</p> <p>Discontinue Issue Date : May.24, 2021</p> <p>Last Purchase Order Date : Mar.31, 2026</p> <p>Last Shipment Date : Jun.30, 2026</p>
Brand	TDK



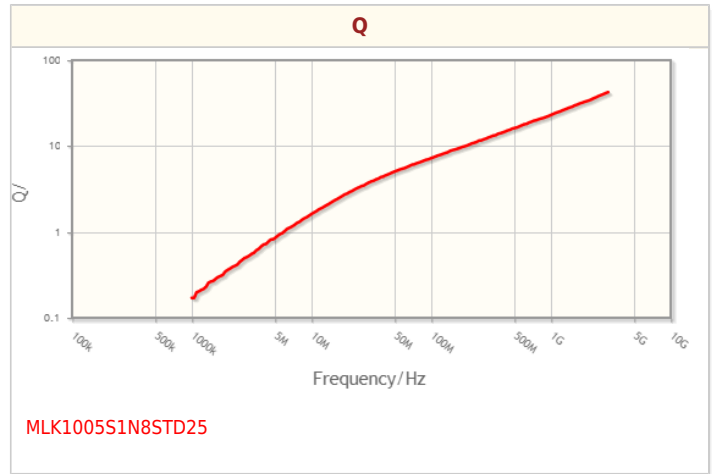
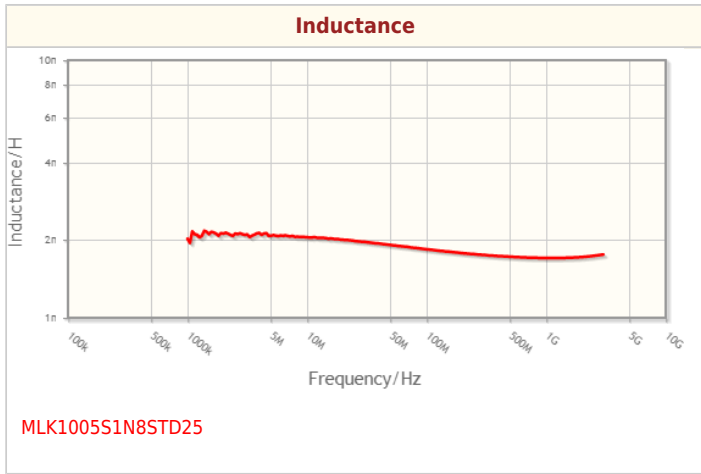
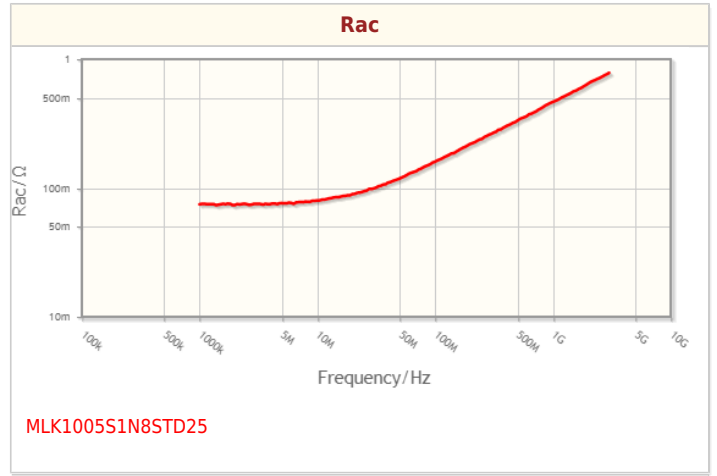
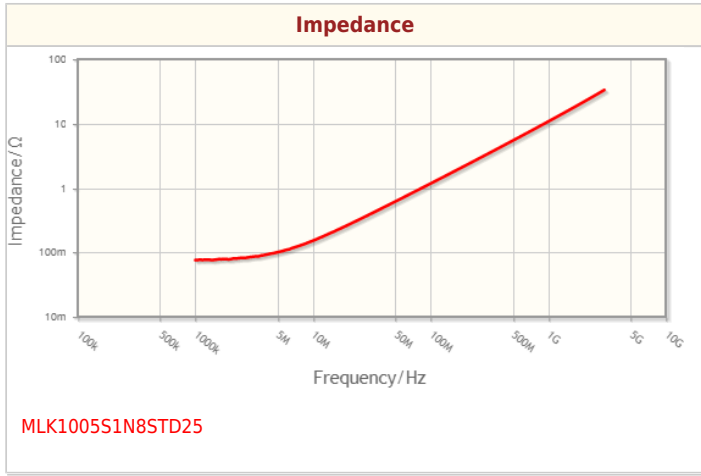
Size	
Length(L)	1.00mm ±0.10mm
Width(W)	0.50mm ±0.10mm
Thickness Height	0.50mm ±0.10mm
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	0.40mm Nom.
Recommended Land Pattern (C)	0.50mm Nom.

Electrical Characteristics	
Inductance	1.8nH ±0.3nH at 100MHz
Rated Current	500mA
DC Resistance [Typ.]	70mΩ
DC Resistance [Max.]	170mΩ
Self Resonant Frequency [Min.]	8.5GHz
Self Resonant Frequency [Typ.]	10.9GHz
Q [Min.]	6 at 100MHz
Q [Typ.]	7 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

