

Applications	Automotive Grade
	AEC-Q200
	No Directivity
Feature	Multilayer
	Non-Magnetic Core (Dielectric Ceramic)
	High Self Resonant Frequency
Series Type	MLK
	EOL announced
	Recommended Alternate Part No. : MLG1005S5N1STD25 (Interchangeability is not guaranteed.)
Status	Discontinue Issue Date : May.24, 2021
	Last Purchase Order Date : Mar.31, 2026
	Last Shipment Date : Jun.30, 2026
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.

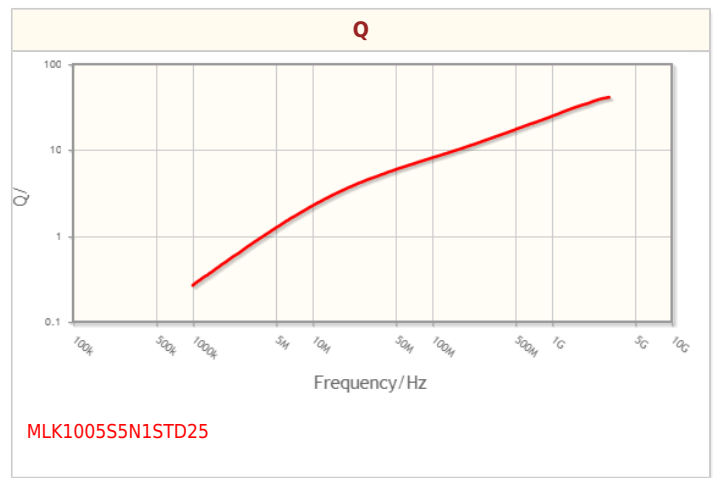
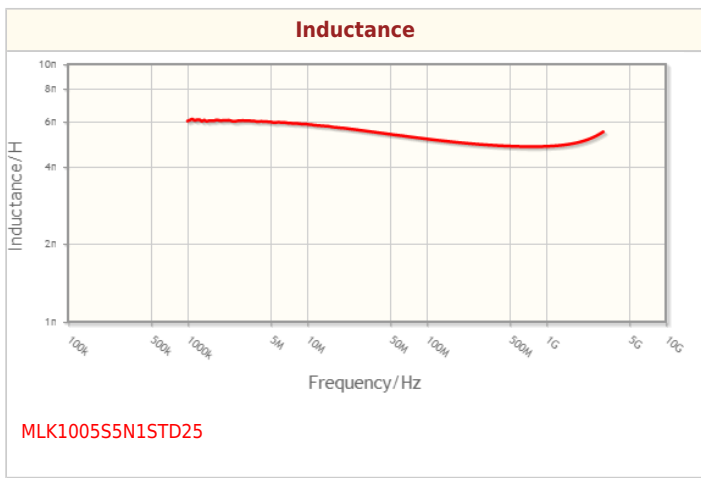
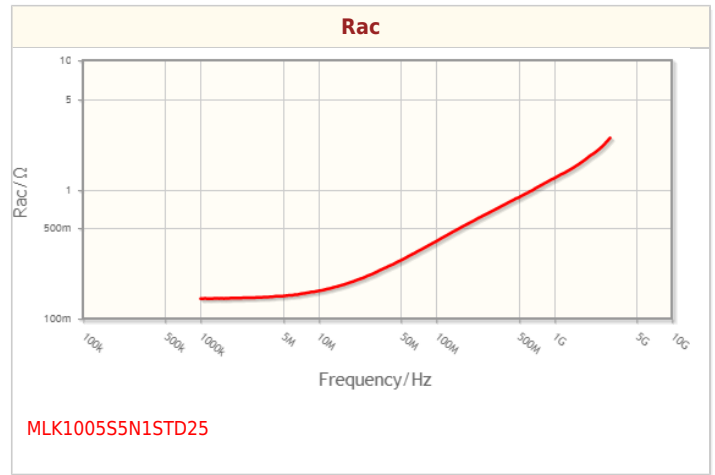
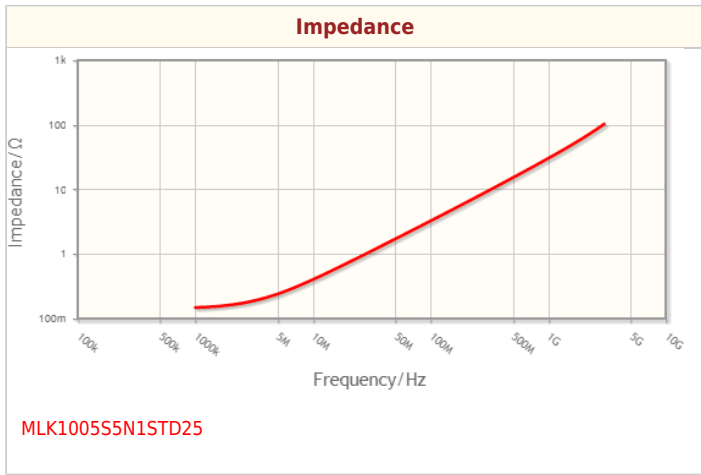
Electrical Characteristics	
Inductance	5.1nH ±0.3nH at 100MHz
Rated Current	400mA
DC Resistance [Typ.]	150mΩ
DC Resistance [Max.]	300mΩ
Self Resonant Frequency [Min.]	5.8GHz
Self Resonant Frequency [Typ.]	6.9GHz
Q [Min.]	7 at 100MHz
Q [Typ.]	8 at 100MHz

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

! 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.

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

