

# SMD / SMT Inductors (Coils)

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## MLG1005S1N5ST000

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



Images are for reference only and show example products.

3D Model



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### 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.

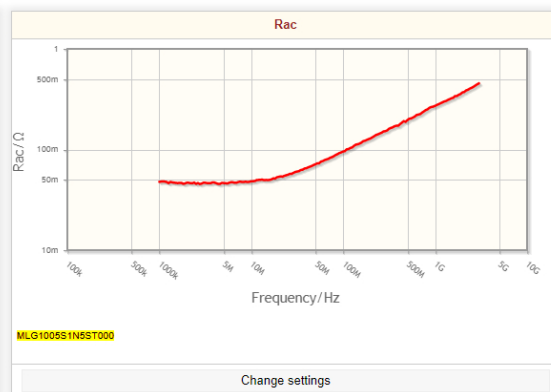
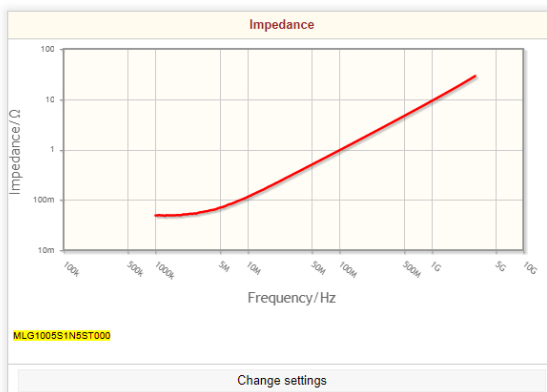
### Electrical Characteristics

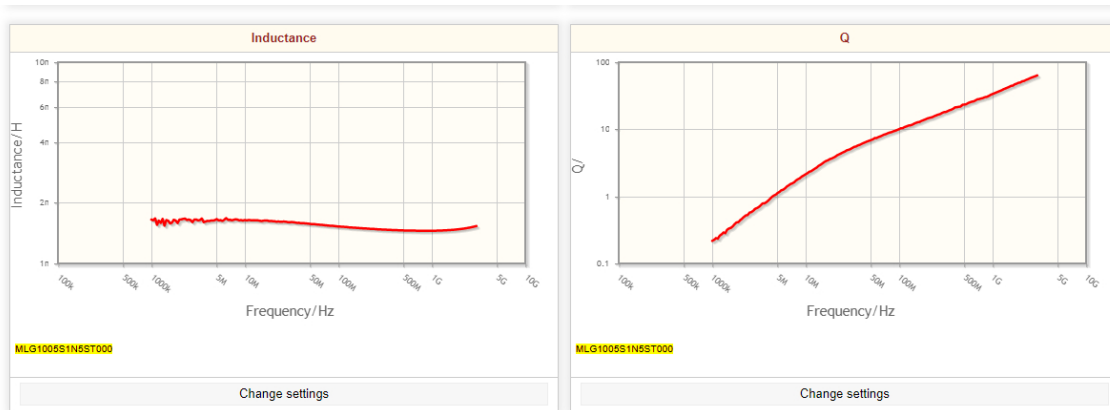
Inductance	1.5nH ±0.3nH at 100MHz
Rated Current	1A
DC Resistance [Typ.]	60mΩ
DC Resistance [Max.]	100mΩ
Self Resonant Frequency [Min.]	8GHz
Self Resonant Frequency [Typ.]	9.6GHz
Q [Min.]	7 at 100MHz
Q [Typ.]	11 at 100MHz

### Other

Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel, Tape width 8mm]
Package Quantity	10000pcs
Weight	0.001g

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





#### Also recommended

**RPE-2003**  
Power Line EMC Filters  
1-phase(250V), Rated Current:3A  
Multipurpose, Fast-on type terminals

**RPE-2003F01**  
Power Line EMC Filters  
1-phase(250V), Rated Current:3A  
Multipurpose, Fast-on type terminals

**LWT30H-5FF**  
AC-DC Power Supplies  
Unit type, Multi Output (3CH), Output: 30W, +5/+15V  
Standard type

#### Customers who viewed this product also viewed

**C0603X7R1A103K030BA**  
Multilayer Ceramic Chip Capacitors  
Capacitance=10nF  
Edc=10V  
T.C.=X7R  
LxWxT:0.6x0.3x0.3mm  
General

**C1005X7S0J684K050BC**  
Multilayer Ceramic Chip Capacitors  
Capacitance=0.68μF  
Edc=6.3V  
T.C.=X7S  
LxWxT:1x0.5x0.5mm  
General

**C1608C0G1V183J080AC**  
Multilayer Ceramic Chip Capacitors  
Capacitance=18nF  
Edc=35V  
T.C.=C0G  
LxWxT:1.6x0.8x0.8mm  
General

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