## **<b>&TDK** SMD / SMT Inductors (Coils) MLG1005S3N0CT000

Applications	Commercial Grade	
Feature	Multilayer Multilayer Non-Mag Core 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.		

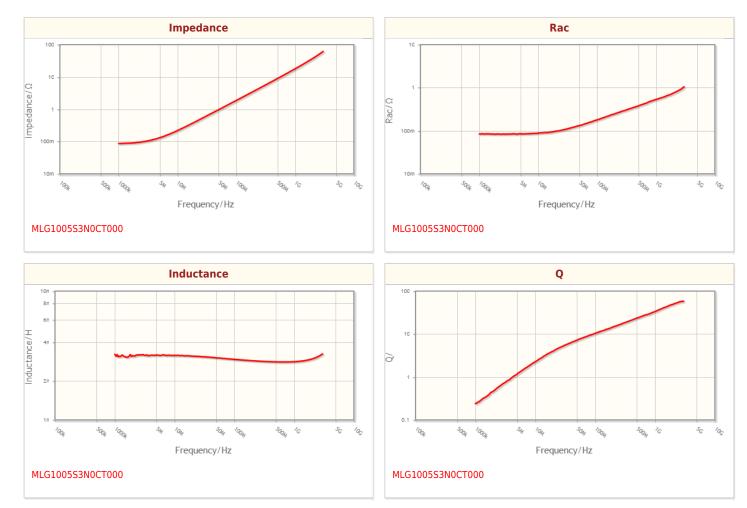
Electrical Characteristics		
Inductance	3nH ±0.2nH at 100MHz	
Rated Current	800mA	
DC Resistance [Typ.]	90mΩ	
DC Resistance [Max.]	200mΩ	
Self Resonant Frequency [Min.]	5.5GHz	
Self Resonant Frequency [Typ.]	6.8GHz	
Q [Min.]	7 at 100MHz	
Q [Typ.]	11 at 100MHz	

Other		
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C	
Coldering Mathed	Reflow	
Soldering Method	Iron Soldering	
AEC-Q200	NO	
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.)

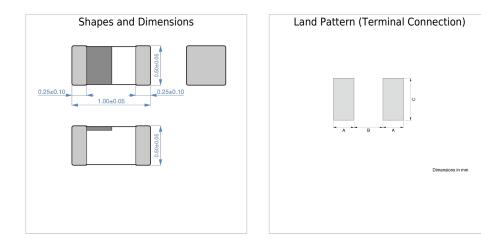


! Images are for reference only and show exemplary products.

- ! This PDF document was created based on the data listed on the TDK Corporation website.
- ! All specifications are subject to change without notice.

RoHS Reach Halogen Free Pb Free

## Associated Images



 $!\ \mbox{Images}$  are for reference only and show exemplary products.

! This PDF document was created based on the data listed on the TDK Corporation website.

 $! \ \mbox{All specifications} \ \mbox{are subject to change without notice}.$