## **<b>&TDK** SMD / SMT Inductors (Coils) MLG1005S0N6BTD25

Applications	Automotive Grade	
Feature	AEC-Q200 AEC-Q200 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	0.6nH ±0.1nH at 100MHz		
Rated Current	1A		
DC Resistance [Typ.]	10mΩ		
DC Resistance [Max.]	100mΩ		
Self Resonant Frequency [Min.]	10GHz		
Self Resonant Frequency [Typ.]	20GHz		
Q [Min.]			
Q [Typ.]			

Other		
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C	
Coldering Method	Reflow	
Soldering Method	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.

200p

1000

1004

MLG1005S0N6BTD25

<sup>5</sup>904 10004 SA 100 SQL 1004

Frequency/Hz

100,

500m 'G

₹G

500m

S<sub>G</sub>

190

S<sub>C</sub> 'n

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

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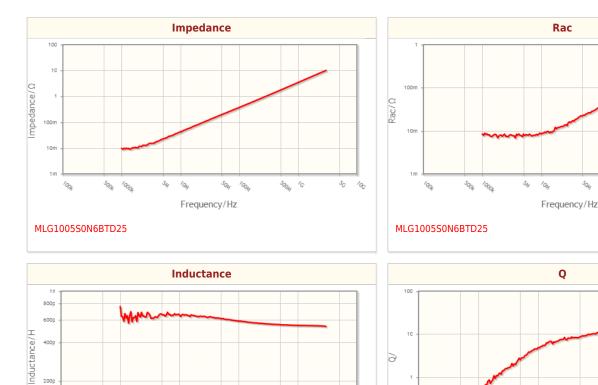
MLG1005S0N6BTD25

<sup>5</sup>004 1004 SA,

Iq.

Say 100m

Frequency/Hz

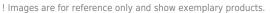


ľG

SOOM

 $S_G$ 

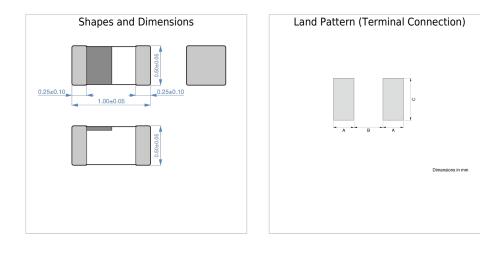
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RoHS Reach Halogen Free Pb Free

## Associated Images



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