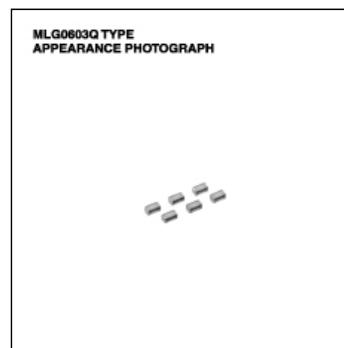




[PAGE BACK](#) [CLOSE](#)

**Product Name**      **Multilayer Inductor for Ultra High Frequency Range**  
**Series**              **MLG Series**  
**Type**                **0603Q Type**  
**Part Number**      **MLG0603Q1N4ST000**

Product Lifecycle Stage    PROD



#### Specification

Mounting Method Flag	Yes	
Processing	MULTI-LAYER	
Shape	SMD	
Size Code	0603	
Body Length(L)	Nom	0.6 m m
Body Breadth(W)	Nom	0.3 m m
Body Height(T)	Nom	0.3 m m
Rated Inductance	Nom	1.4 n H
Inductance Tolerance (Value)	Min	-0.3 n H
	Max	0.3 n H
Test Frequency of Inductance	Nom	100 M Hz
Q	Min	5
Test Frequency of Q	Nom	100 M Hz
	Min	9 G Hz
Self Resonant Frequency	Typ	12 G Hz
DC Resistance	Max	0.15 Ohm
DC Resistance	Nom	0.06 Ohm
Rated Current	Max	550 m A
IDC1 ( Inductance Change)	Max	550 m A
IDC2 ( Temperature Rise)	Max	550 m A
Temperature Rise	Max	20 Cel
Terminal Material	Ag(100%)/Sn plating	
Polarity Marking	Yes	
Magnetic Shielding	No	
Soldering Method	Reflow,Iron Soldering	
Measuring Equipment(L, Q, Rdc)	HP4291A	
Category Temperature Range	Min	-55 Cel
	Max	125 Cel
Storage Temperature Range	Min	-55 Cel
	Max	125 Cel
Weight	Nom	0.0002 g

#### Summary/Applications/Feature

Summary	Small size High-Q RF coil for high frequency circuit of mobile application.
Applications	For high-frequency applications including mobile phones, high frequency modules (PA, VCO, Rx etc.), Bluetooth and W-LAN.
Feature	By the most suitable design, Q is higher than competing in a conventional product MLG0603S type. In particular, Q in more than 800MHz largely improved. Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high-frequency. Lead free, lead free soldering, and RoHS compliant

#### Packaging

Packing	Punched (Paper)Taping [180mm Reel]	
Minimum Package Qty	Nom	15000 Pcs
Minimum Order Qty	Nom	15000 Pcs

[Details](#)

● [ **Caution** ]

Specifications which provide more details for the proper and safe use of the described product are available upon request.

● [ **Notice of Revision and Improve** ]

All specifications are subject to change without notice.

[PAGE TOP](#) 

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