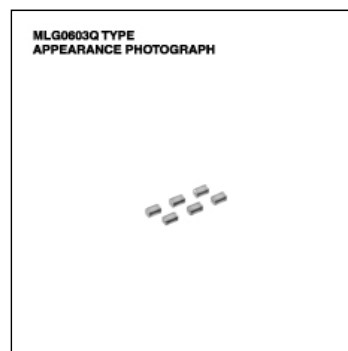



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Product Name Multilayer Inductor for Ultra High
Frequency Range
Series MLG Series
Type 0603Q Type
Part Number MLG0603Q2N5ST000

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	2.5 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	7 G Hz
Self Resonant Frequency	Typ	9.1 G Hz
DC Resistance	Max	0.3 Ohm
DC Resistance	Nom	0.17 Ohm
Rated Current	Max	450 m A
IDC1 (Inductance Change)	Max	450 m A
IDC2 (Temperature Rise)	Max	450 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	Min	-55 Cel
Range	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	<p>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.</p> <p>Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high-frequency.</p> <p>Lead free, lead free soldering, and RoHS compliant</p>	

Packaging

Packing	Punched (Paper)Taping [180mm Reel]	
Minumum 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.

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