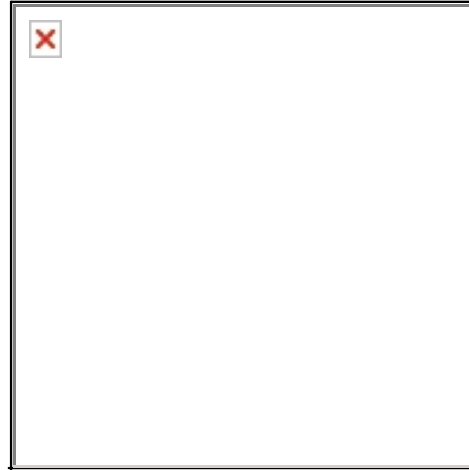


Product Name Multilayer Inductor for Ultra High Frequency Range
Series MLG Series
Type 0603Q Type
Part Number MLG0603Q6N8JT000

Product Lifecycle Stage PROD



Specification

Mounting Method Flag	Yes	
Processing	multilayer type	
Shape	SMD	
Size Code	0603	
Body Length(L)	Nom	0.6 mm
Body Breadth(W)	Nom	0.3 mm
Body Height(T)	Nom	0.3 mm
Rated Inductance	Nom	6.8 nH
Inductance Tolerance (%)	Min	-5 %
	Max	5 %
Test Frequency of Inductance	Nom	100 MHz
Q	Min	5
Test Frequency of Q	Nom	100 MHz
Self Resonant Frequency	Min	4.2 GHz
	Typ	5.5 GHz
DC Resistance	Max	0.6 Ohm
DC Resistance	Nom	0.34 Ohm
Rated Current	Max	250 mA
IDC1 (Inductance Change)	Max	250 mA
IDC2 (Temperature Rise)	Max	250 mA
Temperature Rise	20 deg C	
Terminal Material	Ag(100%)/Sn plating	
Polarity Marking	Yes	
Magnetic Shielding	No	
Soldering Method	Reflow,Iron Soldering	
Measuring Equipment(Inductance)	HP4291A+16197A, or equivalent	
Measuring Equipment(Q)	HP4291A+16197A, or equivalent	
Measuring Equipment(SRF)	HP8720C, or equivalent	
Measuring Equipment(DC Resistance)	YOKOGAWA TYPE7561, or equivalent	
Category Temperature Range (Including Selftemperature Rise)	Min	-55 Cel
	Max	125 Cel
Storage Temperature Range	Min	-55 Cel
	Max	125 Cel
Weight	Nom	0.000g

Summary/Applications/Features

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 WLAN.
Features	By the most suitable design, Q is higher than competing in a conventional product MLG0603 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	1500(Pcs
Minimum Order Qty	Nom	1500(Pcs



[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.