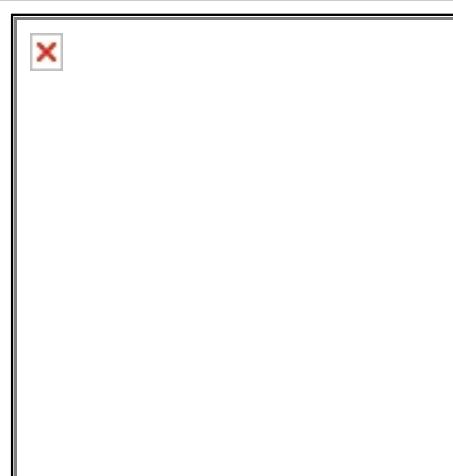


Product Name Multilayer Inductor for Ultra High Frequency Range
Series MLG Series
Type 0603Q Type
Part Number **MLG0603Q15NJT000**

Product Lifecycle Stage PROD



Specification		Summary/Applications/Features	
Mounting Method Flag	Yes	Summary	Small size High Q RF coil for high frequency circuit of mobile application.
Processing	multilayer type	Applications	For high frequency applications including mobile phones, high frequency modules (PA, VCO, Rx etc.), Bluetooth and WLAN.
Shape	SMD	Features	By the most suitable design, Q is higher than competing in a conventional product MLG06C type. In particular, Q in more than 800MHz largely improved.
Size Code	0603		Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high frequency.
Body Length(L)	Nom		Lead free, lead free soldering, and RoHS compliant
Body Breadth(W)	Nom	Packaging	
Body Height(T)	Nom	Packing	Punched (Paper) Taping [180mm Reel]
Rated Inductance	Nom	Minimum Package Qty	Nom 1500(Pcs
Inductance Tolerance (%)	Min	Minimum Order Qty	Nom 1500(Pcs
	Max		
Test Frequency of Inductance	Nom		
Q	Min		
Test Frequency of Q	Nom		
Self Resonant Frequency	Min		
	Typ		
DC Resistance	Max		
DC Resistance	Nom		
Rated Current	Max		
IDC1 (Inductance Change)	Max		
IDC2 (Temperature Rise)	Max		
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	0.0001 g	

[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.