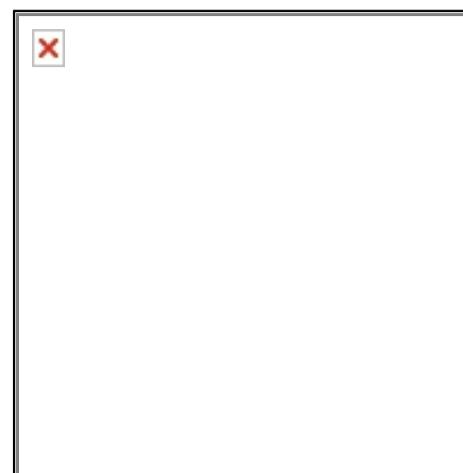


Product Name Multilayer Inductor for Ultra High Frequency Range
Series MLG Series
Type 0603Q Type
Part Number MLG0603Q0N6CT000

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			
Size Code	0603			
Body Length(L)	Nom	0.6 mm	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.
Body Breadth(W)	Nom	0.3 mm		Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high frequency.
Body Height(T)	Nom	0.3 mm		Lead free, lead free soldering, and RoHS compliant
Rated Inductance	Nom	0.6 nH		
Inductance Tolerance (Value)	Min	-0.2 nH		
	Max	0.2 nH		
Test Frequency of Inductance	Nom	100 MHz		
Self Resonant Frequency	Min	10 GHz	Packaging	
	Typ	20 GHz	Packing	Punched (Paper) Taping [180mm Reel]
DC Resistance	Max	0.1 Ohm		
DC Resistance	Nom	0.03 Ohm	Minimum Package Qty	Nom 1500(Pcs
Rated Current	Max	600 mA	Minimum Order Qty	Nom 1500(Pcs
IDC1 (Inductance Change)	Max	600 mA		
IDC2 (Temperature Rise)	Max	600 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	0.0001 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.