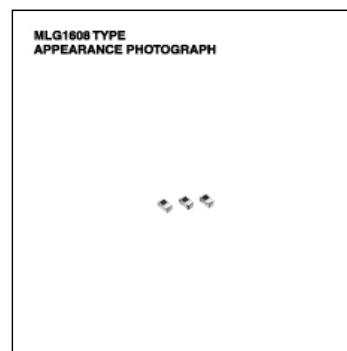




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**Product Name**      **Multilayer Inductor for Ultra High**  
**Series**              **Frequency Range**  
**Type**                **MLG Series**  
**Part Number**      **1608 Type**  
                             **MLG1608B12NJT000**

Product Lifecycle Stage    PROD



#### Specification

Mounting Method Flag	Yes	
Processing	MULTI-LAYER	
Shape	SMD	
Size Code	1608	
Body Length(L)	Nom	1.6 m m
Body Breadth(W)	Nom	0.8 m m
Body Height(T)	Nom	0.8 m m
Rated Inductance	Nom	12 n H
Inductance Tolerance (%)	Min	-5 %
	Max	5 %
Test Frequency of Inductance	Nom	100 M Hz
Q	Min	12
Test Frequency of Q	Nom	100 M Hz
Self Resonant Frequency	Min	3 G Hz
	Typ	3.8 G Hz
DC Resistance	Max	0.25 Ohm
DC Resistance	Nom	0.13 Ohm
Rated Current	Max	600 m A
IDC1 ( Inductance Change)	Max	600 m A
IDC2 ( Temperature Rise)	Max	600 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	0.004 g

#### Summary/Applications/Feature

Summary	Small size High-Q RF coil for high frequency circuit of mobile application.
Applications	Cellular,VCO module,PA module,Bluetooth,Other high frequency circuit for mobile applications
Feature	Small size High-Q RF coil for high frequency circuit of mobile application. Lead free, lead free soldering, and RoHS compliant

#### Packaging

Packing	Punched (Paper)Taping [180mm Reel]	
Minimum Package Qty	Nom	4000 Pcs
Minimum Order Qty	Nom	4000 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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