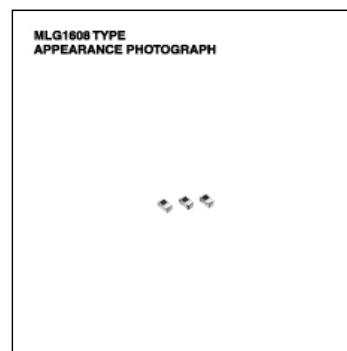




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Product Name **Multilayer Inductor for Ultra High Frequency Range**
Series **MLG Series**
Type **1608 Type**
Part Number **MLG1608B5N6DT000**

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 | 5.6 n H |
| Inductance Tolerance (Value) | Min | -0.5 n H |
| | Max | 0.5 n H |
| Test Frequency of Inductance | Nom | 100 M Hz |
| Q | Min | 10 |
| Test Frequency of Q | Nom | 100 M Hz |
| | Min | 5 G Hz |
| Self Resonant Frequency | Typ | 6.8 G Hz |
| | Max | 0.16 Ohm |
| DC Resistance | Nom | 0.08 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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