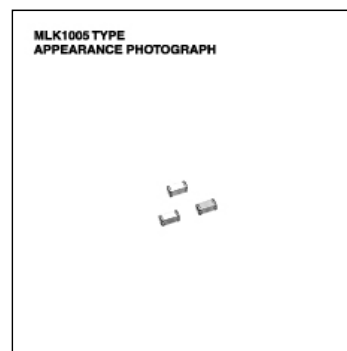




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Product Name **Multilayer Inductor for Ultra High**
Series **Frequency Range**
Type **MLK Series**
Part Number **1005 Type**
 MLK1005S8N2DT000

Product Lifecycle Stage PROD



Specification

Mounting Method Flag	Yes	
Processing	MULTI-LAYER	
Shape	SMD	
Size Code	1005	
Body Length(L)	Nom	1 m m
Body Breadth(W)	Nom	0.5 m m
Body Height(T)	Nom	0.5 m m
Rated Inductance	Nom	8.2 n H
Inductance Tolerance (Value)	Min	-0.5 n H
	Max	0.5 n H
Test Frequency of Inductance	Nom	100 M Hz
	Min	7
Q	Typ	9
	Nom	100 M Hz
Test Frequency of Q	Min	5 G Hz
	Typ	6 G Hz
Self Resonant Frequency		
DC Resistance	Max	0.38 Ohm
DC Resistance	Nom	0.21 Ohm
Rated Current	Max	350 m A
IDC1 (Inductance Change)	Max	350 m A
IDC2 (Temperature Rise)	Max	350 m A
Temperature Rise	Max	20 Cel
Terminal Material	Ag(100%)/Sn plating	
Polarity Marking	No	
Magnetic Shielding	No	
Soldering Method	Reflow,Iron Soldering	
Measuring Equipment(L, Q, Rdc)	L,Q:HP4291A+16193A, Rdc:YOKOGAWA TYPE7561	
Category Temperature Range	Min	-55 Cel
	Max	125 Cel
Storage Temperature Range	Min	-55 Cel

Summary/Applications/Feature

Summary	Small size High-Q RF coil for high frequency circuit of mobile application. Pb free and correspond to Pb free soldering.
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. High Self Resonance Frequency (SRF). No polarity. Lead free, lead free soldering, and RoHS compliant

Packaging

Packing	Punched (Paper)Taping [180mm Reel]	
Minimum Package Qty	Nom	10000 Pcs
Minimum Order Qty	Nom	10000 Pcs

[Details](#)

	Max	125 Cel
Weight	Nom	0.001 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.

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