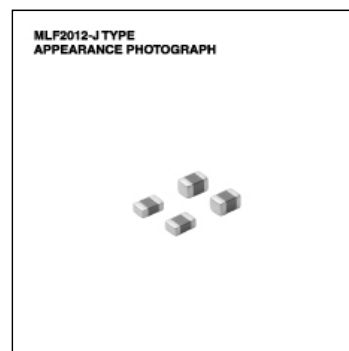



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Product Name Multilayer Inductor for Signal Line
Series MLF Series
Type 2012-J Type
Model t=1.25mm
Part Number MLF2012A3R9JT000

Product Lifecycle Stage PROD
 Release Date 2001/10/01



Specification

Mounting Method Flag	Yes	
Processing	MULTI-LAYER	
Shape	SMD	
Size Code	2012	
Body Length(L)	Nom	2 m m
Body Breadth(W)	Nom	1.25 m m
Body Height(T)	Nom	1.25 m m
Rated Inductance	Nom	3.9 micro H
Inductance Tolerance (%)	Min	-5 %
	Max	5 %
Test Frequency of Inductance	Nom	10 M Hz
Q	Min	45
	Typ	70
Test Frequency of Q	Nom	10 M Hz
Self Resonant Frequency	Min	55 M Hz
	Typ	80 M Hz
DC Resistance	Max	0.65 Ohm
DC Resistance	Nom	0.3 Ohm
Rated Current	Max	30 m A
Terminal Material	Ag(100%)/Sn plating	
Polarity Marking	No	
Magnetic Shielding	Yes	
Soldering Method	Reflow,Iron Soldering	
Measuring Equipment(L, Q, Rdc)	LQ:4294A,RDC:7561	
Category Temperature Range	Min	-55 Cel
	Max	125 Cel
Storage Temperature Range	Min	-55 Cel
	Max	125 Cel
Weight	Nom	0.014 g

Summary/Applications/Feature

Summary	As multilayer chip inductor using ferrite material with a new design, it features narrow tolerance(+/-5%) small inductor in the industry.
Applications	Signal processing such as cellular phone, car audio, tuner, DVC.
Feature	As multilayer chip inductor using ferrite material, it is the first narrow tolerance(+/-5%) small inductor in the industry.
	Inductance change by soldering is less than 1/3 from elegance conventionally.
	The products contain no lead and also support lead-free soldering.
	It is a product conforming to RoHS directive.

Packaging

Packing	Blister (Plastic)Taping [180mm Reel]	
Minimum Package Qty	Nom	2000 Pcs
Minimum Order Qty	Nom	2000 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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