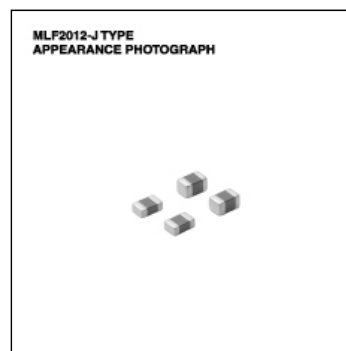



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**Product Name**      **Multilayer Inductor for Signal Line**  
**Series**              **MLF Series**  
**Type**                **2012-J Type**  
**Model**              **t=0.85mm**  
**Part Number**      **MLF2012DR39JT000**

Product Lifecycle Stage    PROD



#### 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	0.85 m m
Rated Inductance	Nom	0.39 micro H
Inductance Tolerance (%)	Min	-5 %
	Max	5 %
Test Frequency of Inductance	Nom	25 M Hz
Q	Min	25
	Typ	35
Test Frequency of Q	Nom	25 M Hz
Self Resonant Frequency	Min	180 M Hz
	Typ	250 M Hz
DC Resistance	Max	0.45 Ohm
DC Resistance	Nom	0.25 Ohm
Rated Current	Max	200 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	0.01 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	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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