

Inductors(Coils) **Inductors(Coils)**

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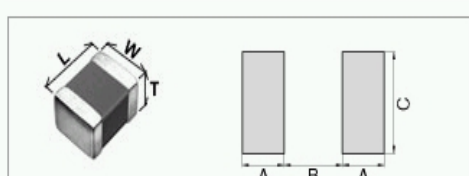
**MLF2012A3R9MT000** Inductors(Coils)

**Applications** Commercial Grade

**Feature**  
 Multilayer  
 Magnetic Shield  
 Ferrite Core

**Series** MLF Series / MLF2012 Type

**Status** Production



Size	
Length(L)	2.00mm +/-0.20mm
Width(W)	1.25mm +/-0.20mm
Thickness(T)	1.25mm +/-0.20mm
Recommended Land Pattern (A)	0.80mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.20mm Nom.

Electrical Characteristics	
Inductance	3.9uH +/-20% at 10MHz
Rated Current	30mA
Self-Resonant Frequency [Min.]	55MHz
Self-Resonant Frequency [Typ.]	80MHz
Q [Min.]	45 at 10MHz
Q [Typ.]	70 at 10MHz
DC Resistance [Nom.]	300mΩ
DC Resistance [Max.]	650mΩ

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000Pcs Min.
Weight	0.014g

**Buy Now** (Distributor Inventory Check)

**Contact**

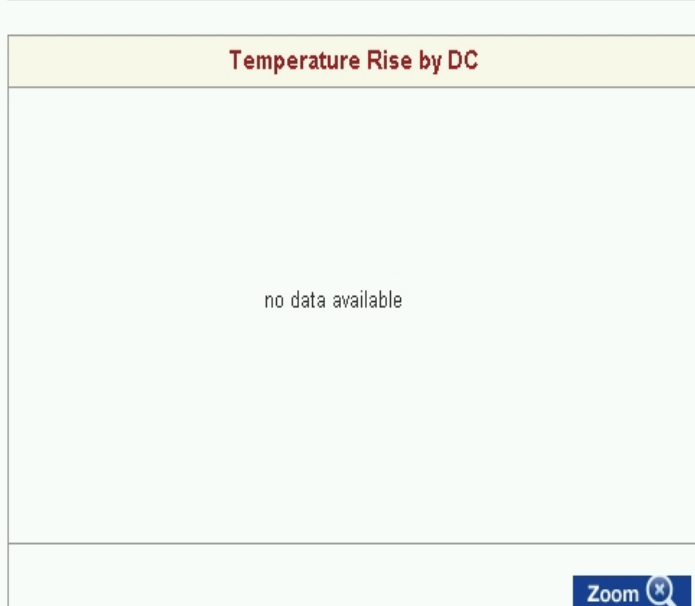
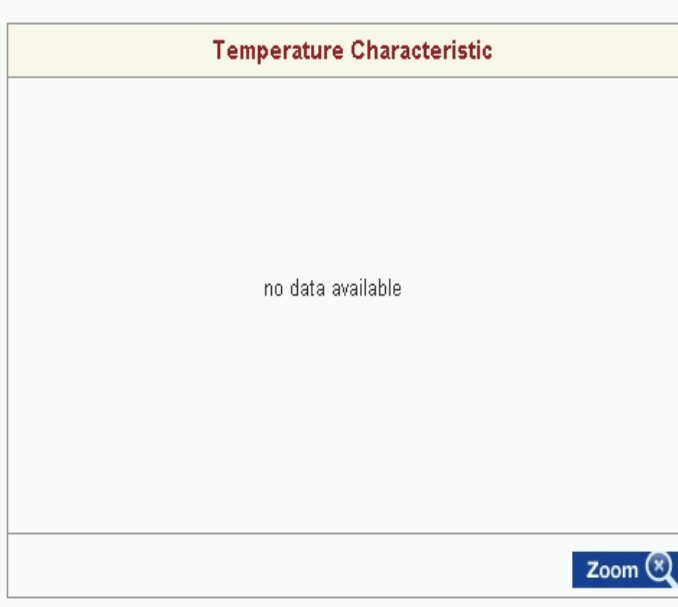
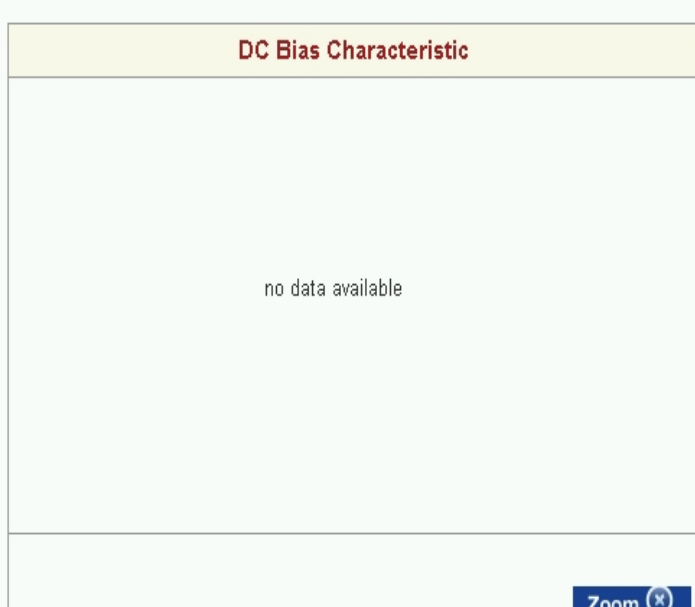
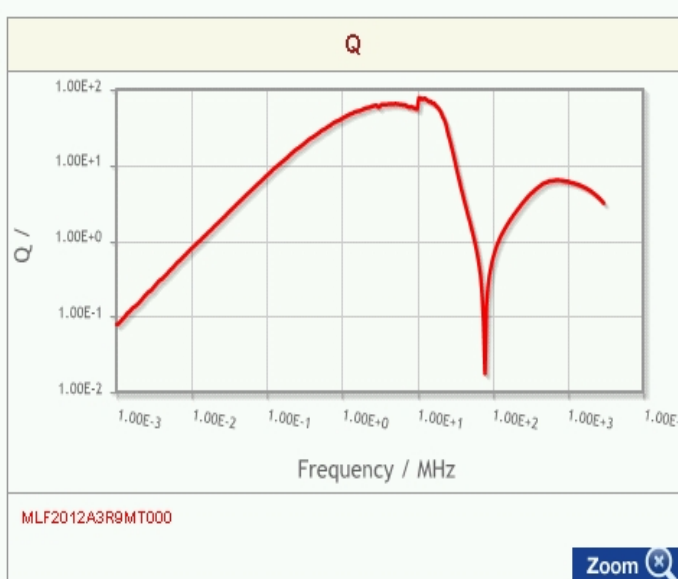
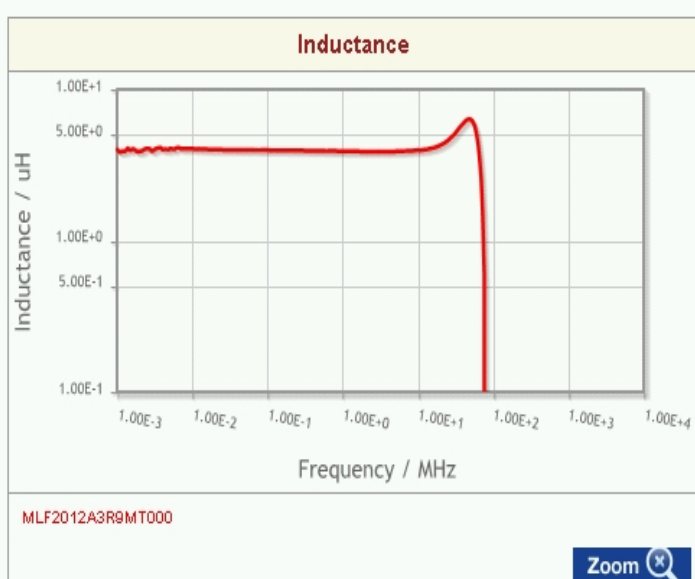
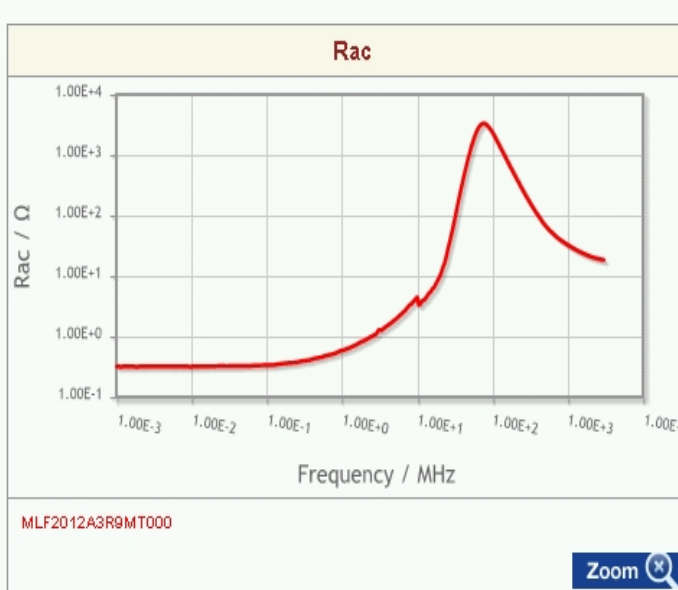
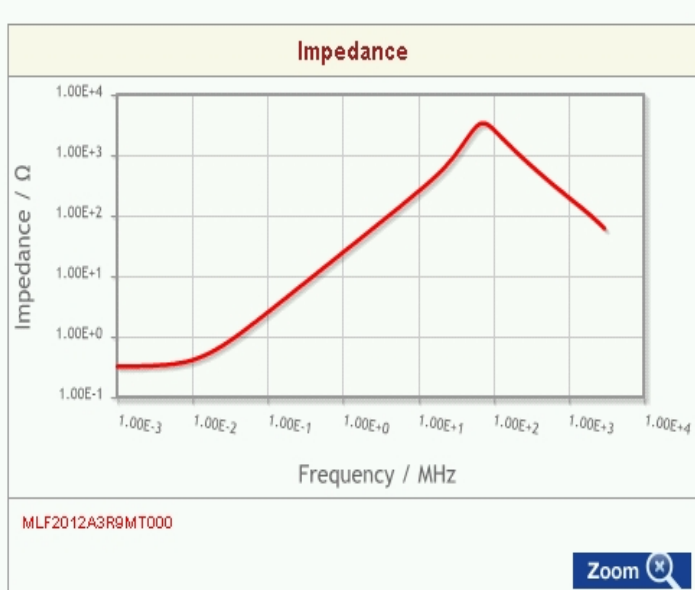
**Documents**

- [Catalog](#)
- [RoHS Certificate](#)
- [REACH Certificate](#)
- [Product Lineup](#)
- [FAQ](#)
- [\[FAQ\] What is a magnetic shield type?](#)

**Design Tools**

- [S-parameter](#)
- [SPICE Netlist\(Simple\)](#)
- [SPICE Netlist\(Precision\)](#)
- [Components Characteristics Viewer](#)

**Characteristic Graphs** (This is reference data, and does not guarantee the product's characteristics.)



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