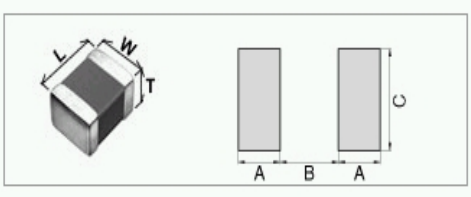
MLF2012DR33MT000 Inductors(Coils)

Applications Commercial Grade

Feature Multilayer / Shield / Ferrite Core — Multilayer, Magnetic Shield, Ferrite Core

Series MLF Series / MLF2012 Type

Status Production



Lead Free | Halogen Free | REACH | RoHS COMPLIANT

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) Request
- Components Characteristics Viewer

Size

Length(L)	2.00mm +/-0.20mm
Width(W)	1.25mm +/-0.20mm
Thickness(T)	0.85mm +/-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

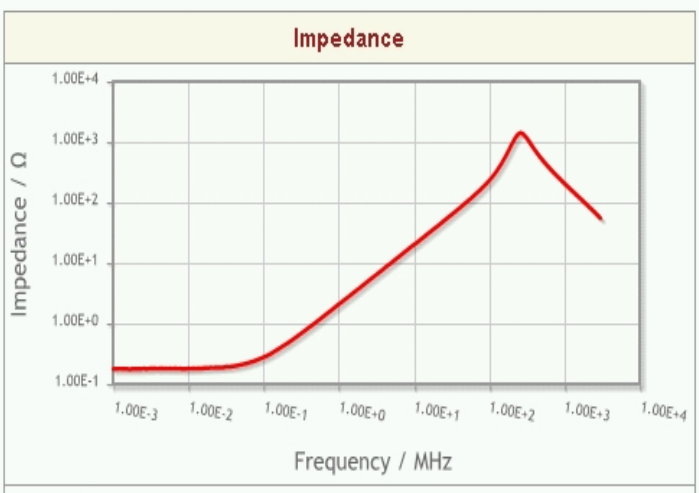
Inductance	330nH +/-20% at 25MHz
Rated Current	250mA
Self-Resonant Frequency [Min.]	200MHz
Self-Resonant Frequency [Typ.]	270MHz
Q [Min.]	20 at 25MHz
Q [Typ.]	30 at 25MHz
DC Resistance [Nom.]	230mΩ
DC Resistance [Max.]	400mΩ

Other

Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000Pcs Min.
Weight	0.01g

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

Impedance



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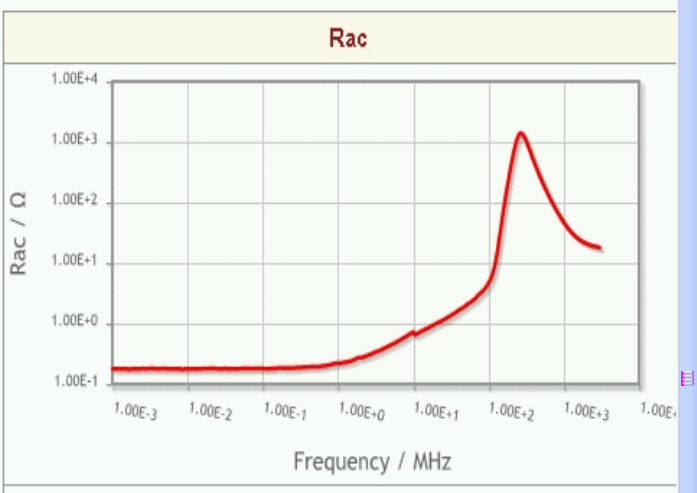
Zoom

Rac



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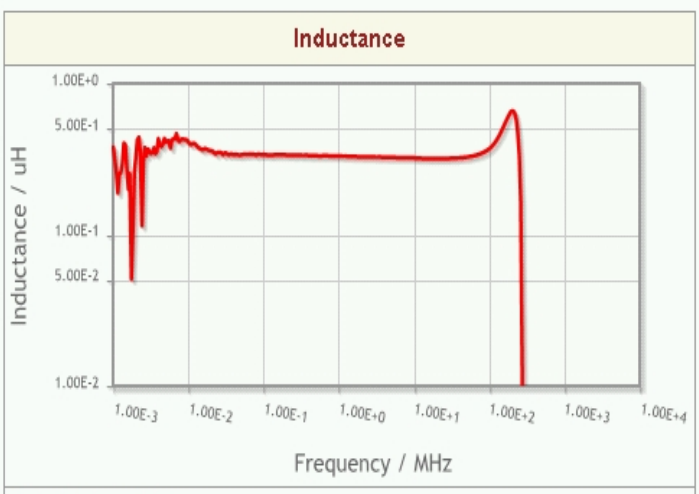
Zoom

Inductance



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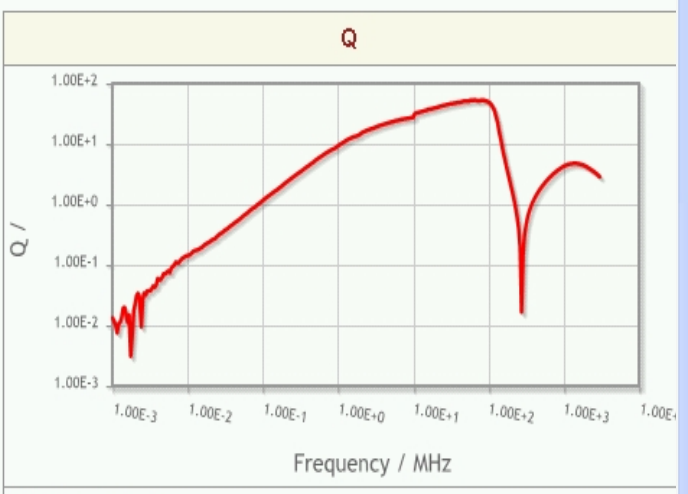
Zoom

Q



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Zoom

DC Bias Characteristic

no data available

Zoom

Temperature Characteristic

no data available

Zoom

Temperature Rise by DC

no data available

Zoom