

Inductors (Coils)

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MLF2012C101MT000



Applications



Commercial Grade

Feature

Shield

Magnetic Shield

Multilayer

Multilayer

Ferrite Core

Ferrite Core

Series

MLF

Status



Production



Images are for reference only and show exemplary products.

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SVHC/REACH Certificate

Product Lineup

Technical Support Tools

S-parameter

SPICE Netlist (Simple)

Equivalent Circuit Model

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 100μH ±20% at 1MHz

Rated Current (L Change) [Typ.]

Rated Current (L Change) [Max.]

Rated Current (Temperature Rise) [Typ.]

Rated Current (Temperature Rise) [Max.] 2mA

DC Resistance [Typ.] 2.5Ω

DC Resistance [Max.] 3.1Ω

Self Resonant Frequency [Min.] 7MHz

Self Resonant Frequency [Typ.] 12MHz

Q [Min.] 25

Q [Typ.] 45

Other

Operating Temp. Range (Including Self-Temp. Rise) -40 to 85°C

Soldering Method
Reflow
Iron Soldering

AEC-Q200 No

Packing Blister (Plastic)Taping [180mm Reel]

Package Quantity 2000pcs

Weight 0.014g

Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)

Impedance

100k

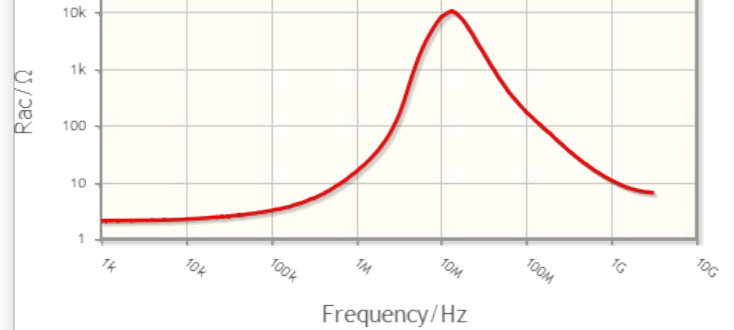
Rac

100k



MLF2012C101MT000

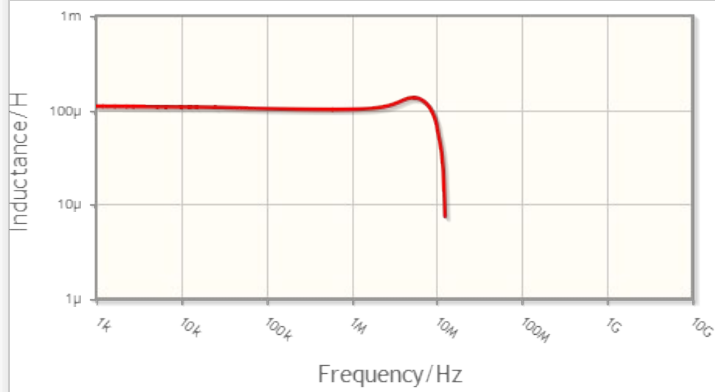
Change settings



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Change settings

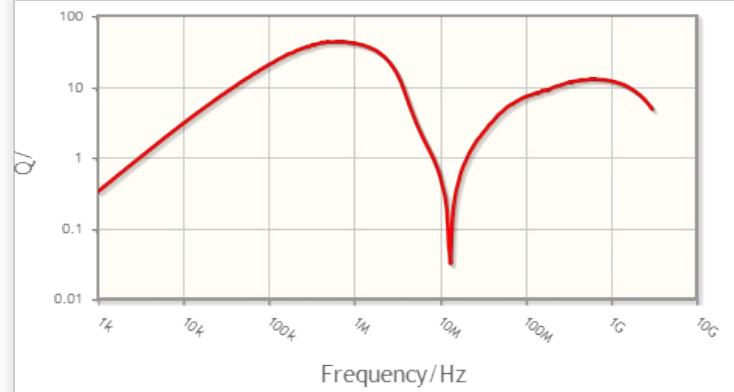
Inductance



MLF2012C101MT000

Change settings

Q



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DC Bias Characteristic

no data available

Change settings

Temperature Characteristic

no data available

Change settings

Temperature Rise by DC

no data available

Change settings

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