

Obsolete

Recommended Alternate Part No. : [VLS3012HBX-1R0M-N](#) (Interchangeability is not guaranteed.)

Product Status

Discontinue Issue Date : May.18, 2017

Last Purchase Order Date : Mar.31, 2021

Last Shipment Date : Sep.30, 2021

Applications

Commercial Grade



Wire Wound Wire Wound

Feature

Shield Magnetic Shield

Ferrite Core Ferrite Core

Series | Type

VLF-M

Brand

TDK

Environmental

RoHS

REACH

Halogen Free

Lead Free

Compliance**Size**

Length(L)	3.00mm ± 0.20 mm
Width(W)	2.50mm ± 0.20 mm
Thickness Height	1.20mm Max.
Recommended Land Pattern (A)	0.90mm Nom.
Recommended Land Pattern (B)	0.80mm Nom.
Recommended Land Pattern (C)	1.45mm Nom.

Electrical Characteristics

Inductance	1 μ H $\pm 30\%$ at 1MHz
Rated Current (L Change) [Typ.]	2.12A (30% Down)
Rated Current (L Change) [Max.]	1.91A (30% Down)
Rated Current (Temperature Rise) [Typ.]	2.77A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	31m Ω
DC Resistance [Max.]	37m Ω
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other

Operating Temp. Range	-40 to 105°C (Including Self-Temp. Rise)
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! Images are for reference only and show exemplary products.

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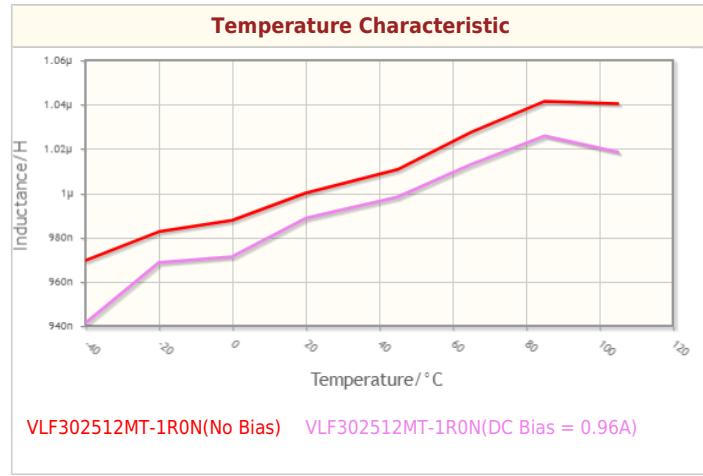
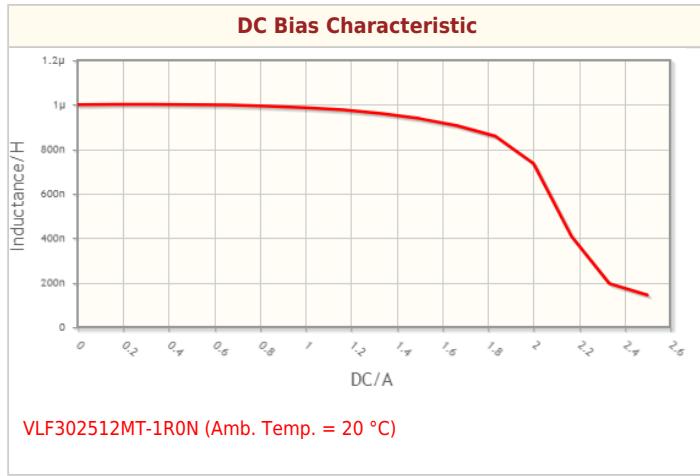
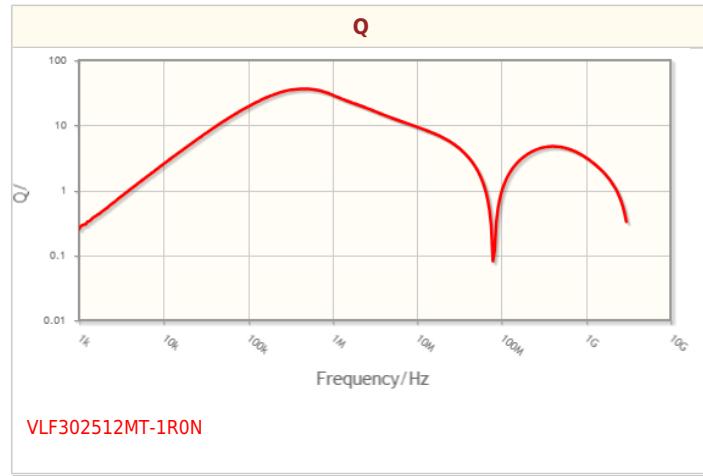
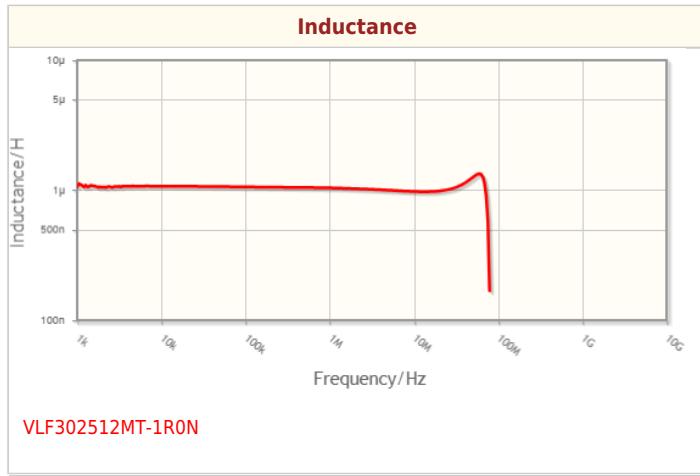
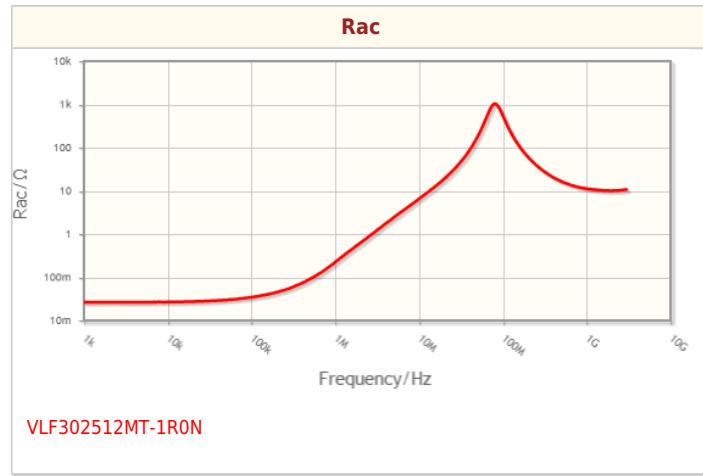
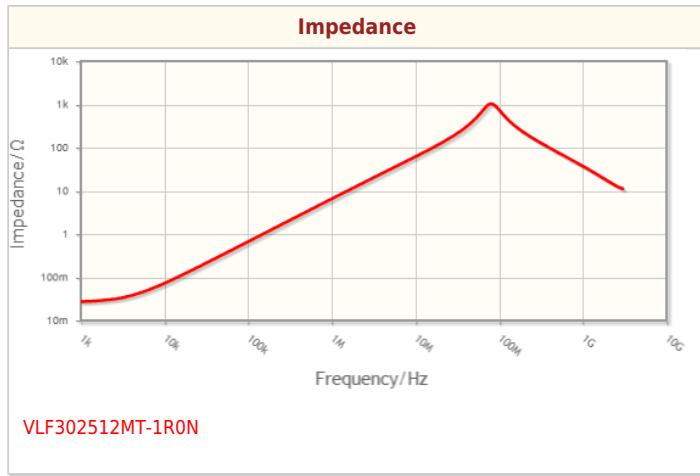
VLF302512MT-1R0N

Soldering Method	Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.033g

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



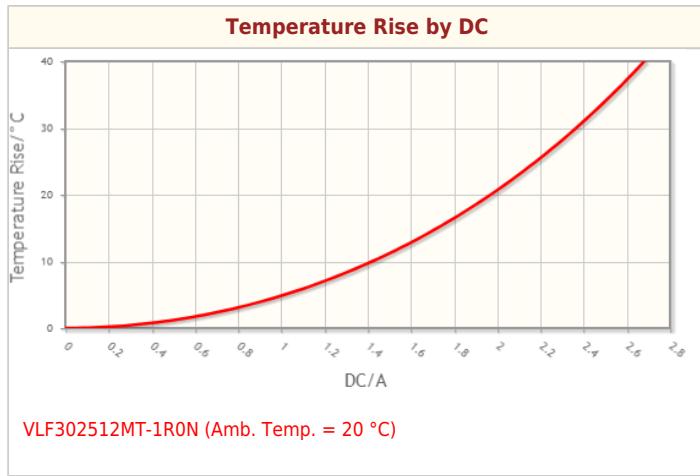
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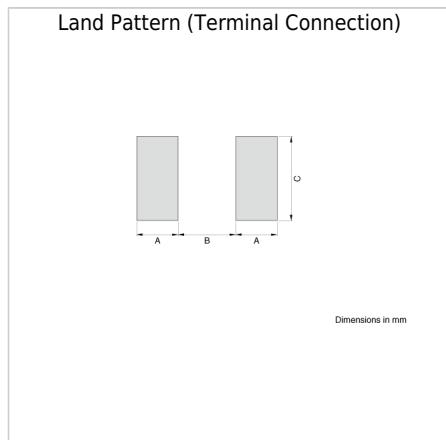
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Associated Images



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