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Stocking Distributor






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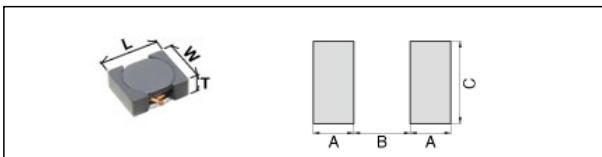
[TDK Corporation](#)
[VLF403212MT-1R0N-CA](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

VLF403212MT-1R0N-CA

Applications	 Automotive Grade
Feature	 Wire Wound
	 Magnetic Shield
	 Ferrite Core
	 AEC-Q200
Series	VLF-M Series / VLF403212MT-CA Type
Status	PROD



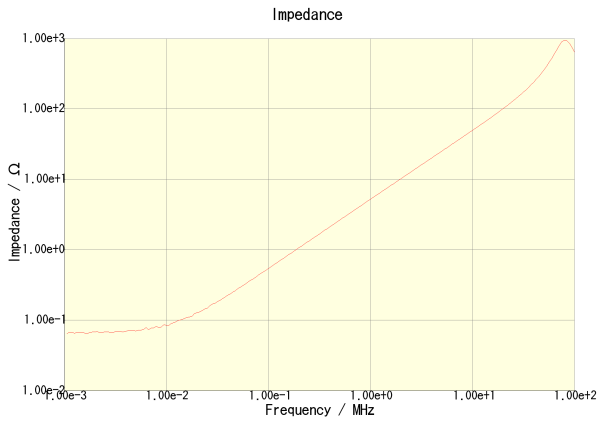
Size	
Length(L)	4.00mm +/-0.20mm
Width(W)	3.20mm +/-0.20mm
Thickness(T)	1.20mm Max.
Recommended Land Pattern (A)	1.10mm Nom.
Recommended Land Pattern (B)	1.30mm Nom.
Recommended Land Pattern (C)	1.80mm Nom.

Electrical Characteristics	
Inductance	1uH +/-30% at 1MHz
Rated Current (L Change) [Typ.]	3.33A (30% Down)
Rated Current (L Change) [Max.]	3A (30% Down)
Rated Current (Temperature Rise) [Typ.]	3.62A (40degC Rise)
DC Resistance [Nom.]	26mΩ
DC Resistance [Max.]	31mΩ

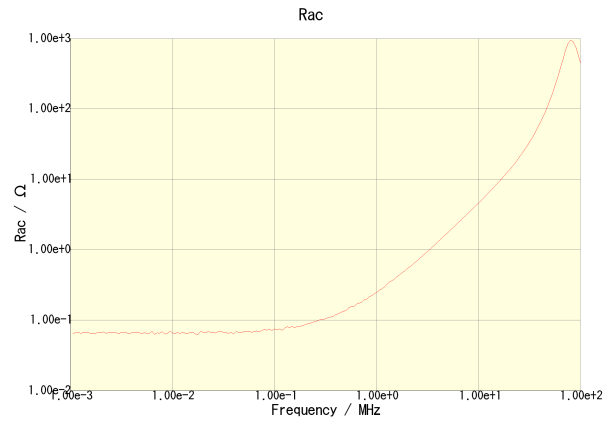
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC
Soldering Method	Reflow
AEC Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	1000Pcs Min.
Weight	0.059g

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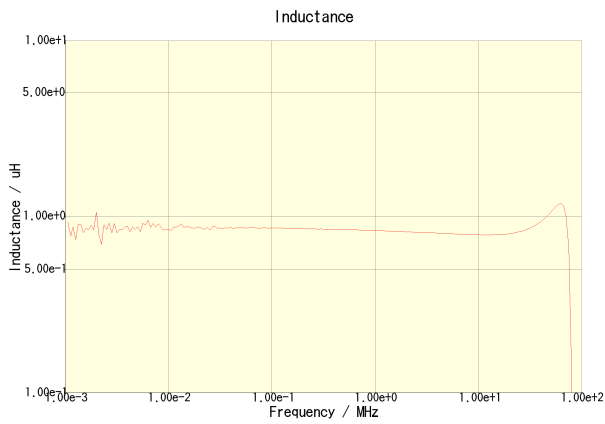
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



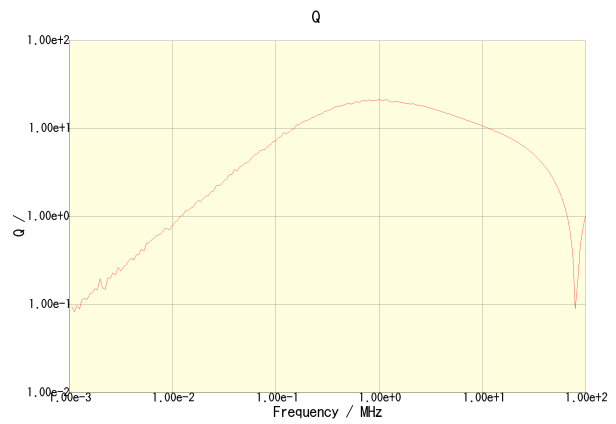
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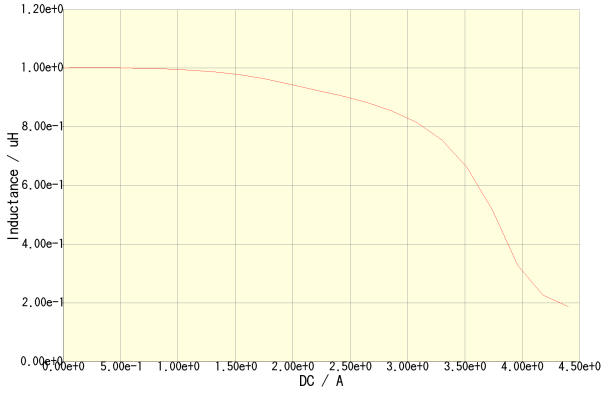


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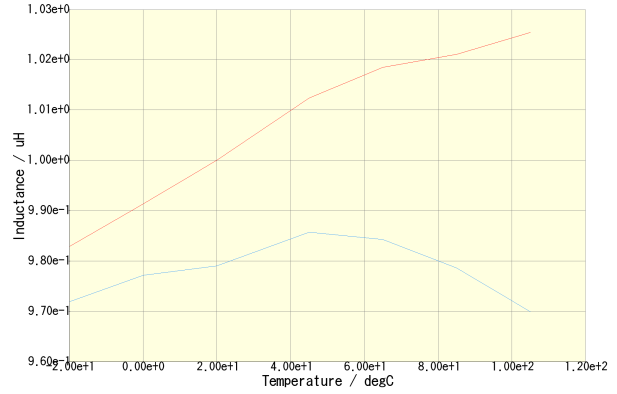
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

DC Bias Characteristic



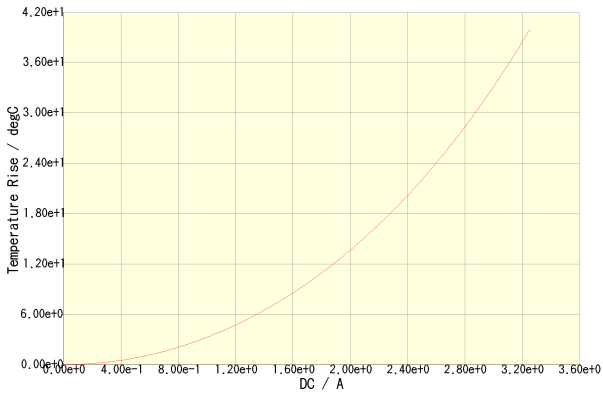
VLF403212MT-1R0N-CA(Amb. Temp. = 20degc)

Temperature Characteristic



VLF403212MT-1R0N-CA(DC = 0A) VLF403212MT-1R0N-CA(DC = 1.5A)

Temperature Rise by DC



VLF403212MT-1R0N-CA(Amb. Temp. = 20degc)