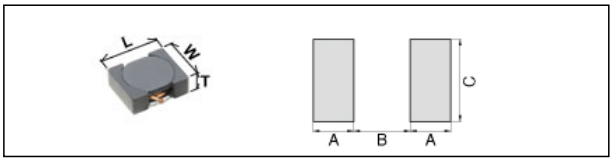
Creation Date :June 18 2014

VLF504012MT-2R2M-CA

Applications		Automotive Grade
Feature	Wire Wound	Wire Wound
	Shield	Magnetic Shield
	Ferrite Core	Ferrite Core
	AEC-Q200	AEC-Q200
Series		VLF-M Series / VLF504012MT-CA Type
Status		PROD



Lead Free | Halogen Free | REACH | RoHS COMPLIANT

Size	
Length(L)	5.00mm +/-0.30mm
Width(W)	4.00mm +/-0.30mm
Thickness(T)	1.20mm Max.
Recommended Land Pattern (A)	1.30mm Nom.
Recommended Land Pattern (B)	1.60mm Nom.
Recommended Land Pattern (C)	2.20mm Nom.

Electrical Characteristics	
Inductance	2.2uH +/-20% at 1MHz
Rated Current (L Change) [Typ.]	2.82A (30% Down)
Rated Current (L Change) [Max.]	2.54A (30% Down)
Rated Current (Temperature Rise) [Typ.]	2.71A (40degC Rise)
DC Resistance [Nom.]	46mΩ
DC Resistance [Max.]	55mΩ

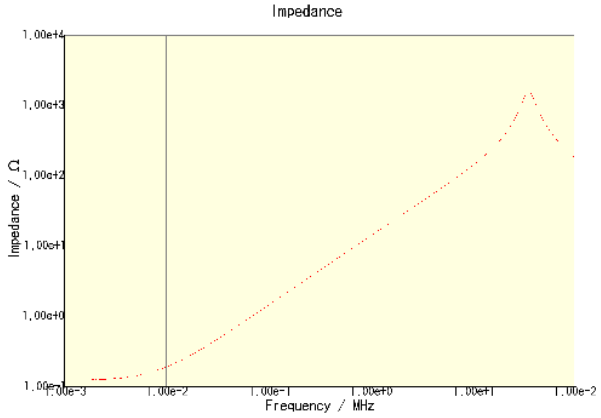
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC
Soldering Method	Reflow
AEC Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	1000Pcs Min.
Weight	0.089g

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•All specifications are subject to change without notice.

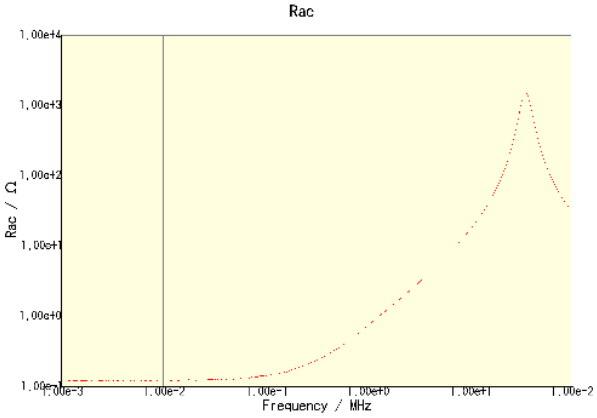
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VLF504012MT-2R2M-CA

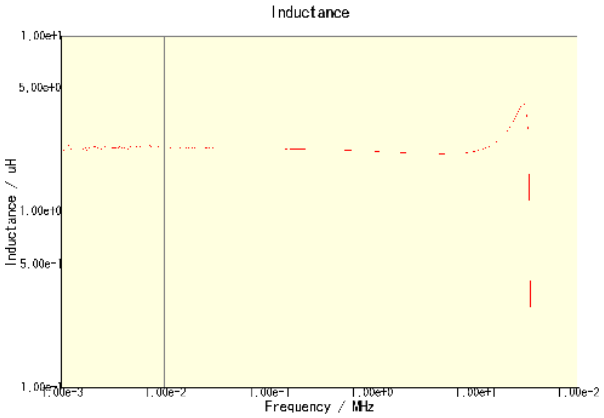
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



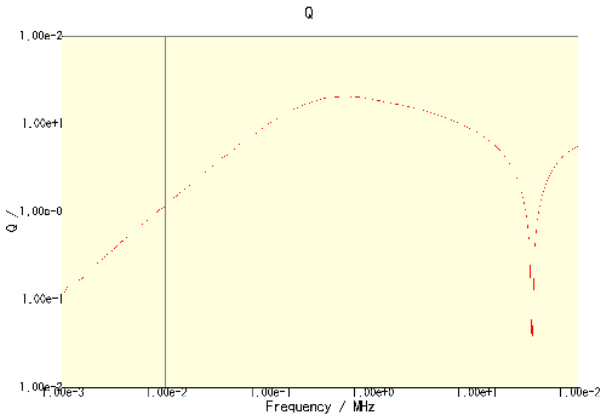
VLF504012MT-2R2M-CA



VLF504012MT-2R2M-CA



VLF504012MT-2R2M-CA



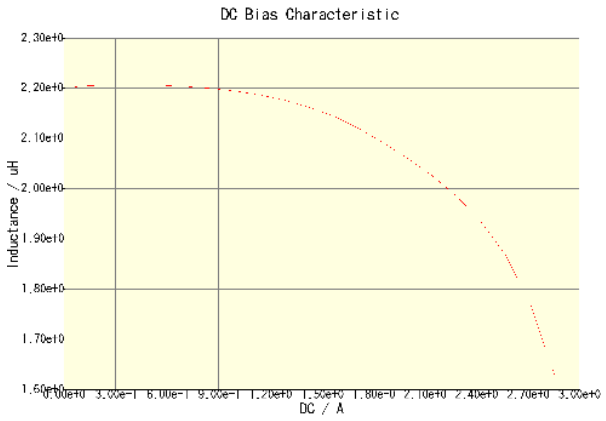
VLF504012MT-2R2M-CA

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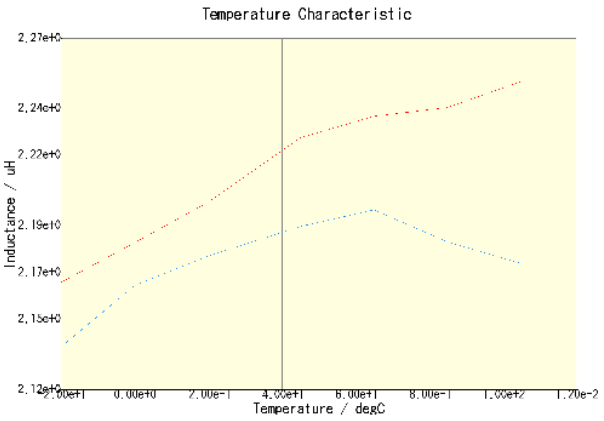
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VLF504012MT-2R2M-CA

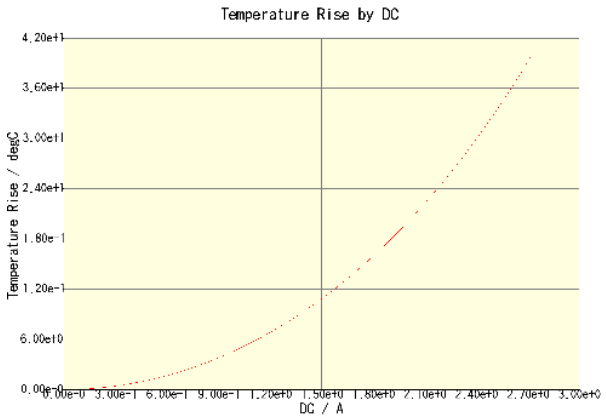
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



VLF504012MT-2R2M-CA(Amb. Temp. = 20degc)



VLF504012MT-2R2M-CA(DC = 0A) VLF504012MT-2R2M-CA(DC = 1.27A)



VLF504012MT-2R2M-CA(Amb. Temp. = 20degc)

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