







**THE DATASHEET OF
VLF302515MT-R47N-CA**



VLF302515MT-R47N-CA

Applications		Automotive Grade
Feature		Wire Wound
		Magnetic Shield
		Ferrite Core
Series	VLF-M Series / VLF302515MT-CA Type	
Status	Production	



Size	
Length(L)	3.00mm +/-0.20mm
Width(W)	2.50mm +/-0.20mm
Thickness(T)	1.50mm Max.
Recommended Land Pattern (A)	0.90mm Nom.
Recommended Land Pattern (B)	0.80mm Nom.
Recommended Land Pattern (C)	1.45mm Nom.

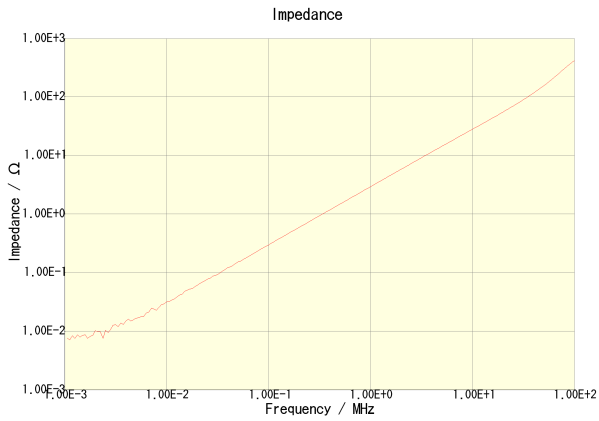
Electrical Characteristics	
Inductance	470nH +/-30% at 1MHz
Rated Current (L Change) [Typ.]	3.18A (30% Down)
Rated Current (L Change) [Max.]	2.88A (30% Down)
Rated Current (Temperature Rise) [Typ.]	4A (40degC Rise)
DC Resistance [Nom.]	17mΩ
DC Resistance [Max.]	20mΩ

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC
Soldering Method	Reflow
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000Pcs Min.
Weight	0.041g

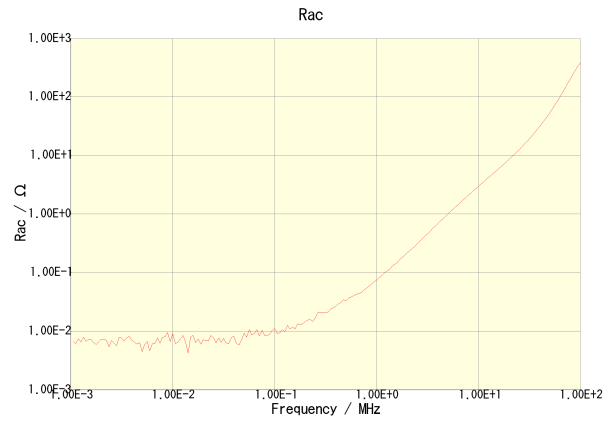
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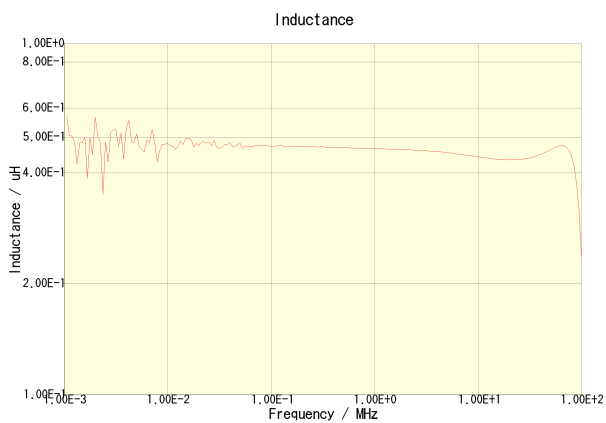
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



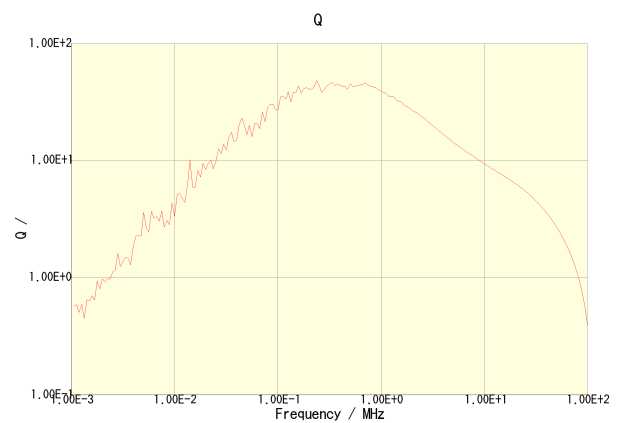
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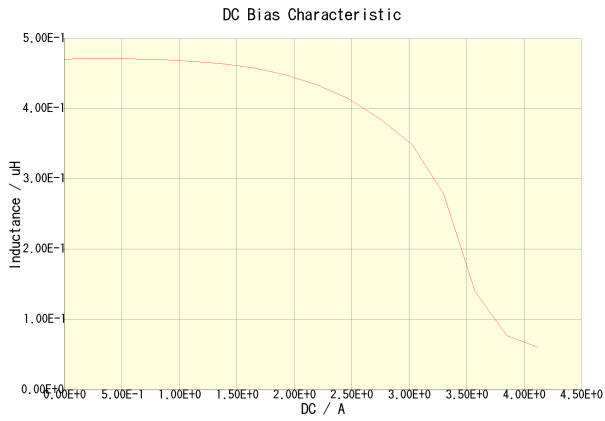


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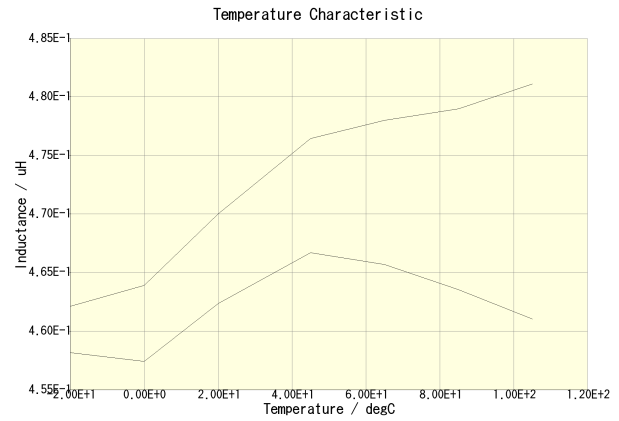
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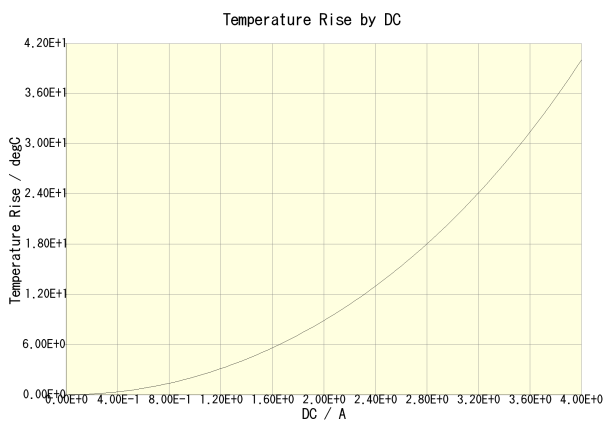
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



VLF302515MT-R47N-CA(Amb. Temp. = 20degc)



VLF302515MT-R47N-CA(DC = 0A) VLF302515MT-R47N-CA(DC = 1.44A)



VLF302515MT-R47N-CA(Amb. Temp. = 20degc)

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