






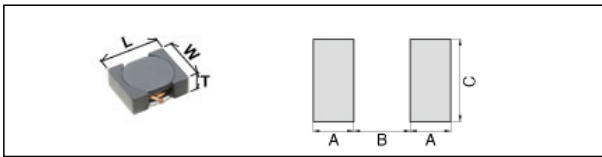


**THE DATASHEET OF  
VLF403215MT-100M-CA**



# VLF403215MT-100M-CA

Applications		Automotive Grade
Feature		Wire Wound
		Magnetic Shield
		Ferrite Core
		AEC-Q200
Series	VLF-M Series / VLF403215MT-CA Type	
Status	PROD	



Size	
Length(L)	4.00mm +/-0.20mm
Width(W)	3.20mm +/-0.20mm
Thickness(T)	1.50mm Max.
Recommended Land Pattern (A)	1.10mm Nom.
Recommended Land Pattern (B)	1.30mm Nom.
Recommended Land Pattern (C)	1.80mm Nom.

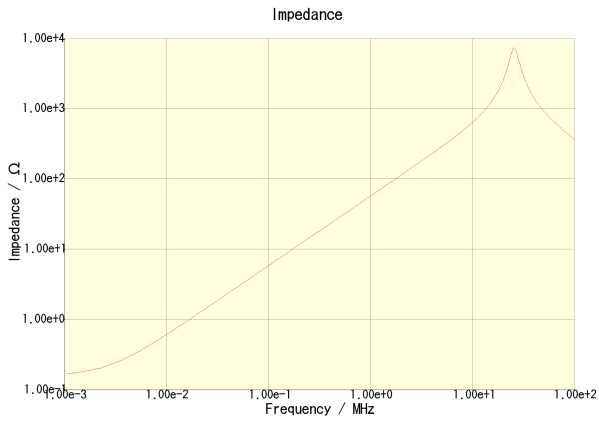
Electrical Characteristics	
Inductance	10uH +/-20% at 1MHz
Rated Current (L Change) [Typ.]	1.09A (30% Down)
Rated Current (L Change) [Max.]	1A (30% Down)
Rated Current (Temperature Rise) [Typ.]	1.44A (40degC Rise)
DC Resistance [Nom.]	150mΩ
DC Resistance [Max.]	180mΩ

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	0.072g

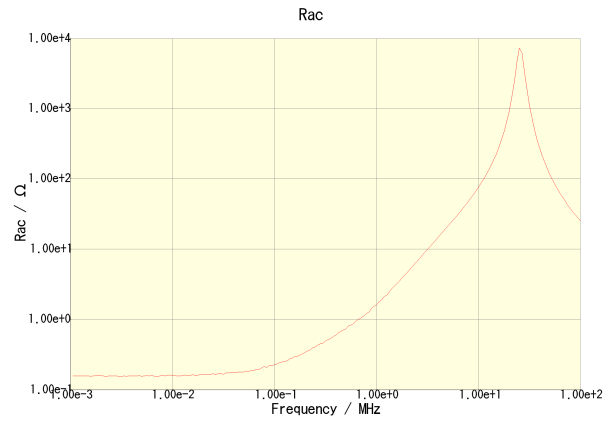
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 •All specifications are subject to change without notice.

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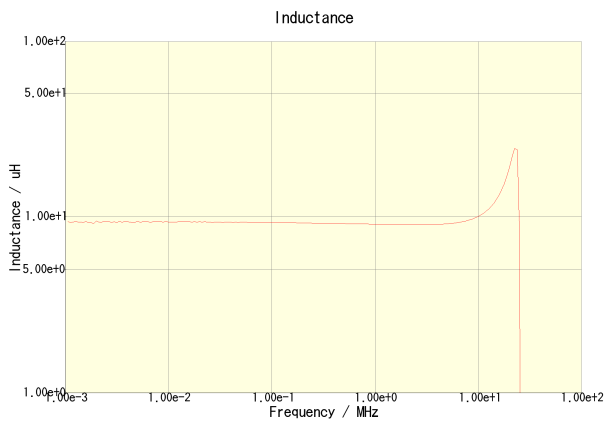
**Characteristic Graphs** (This is reference data, and does not guarantee the product's characteristics.)



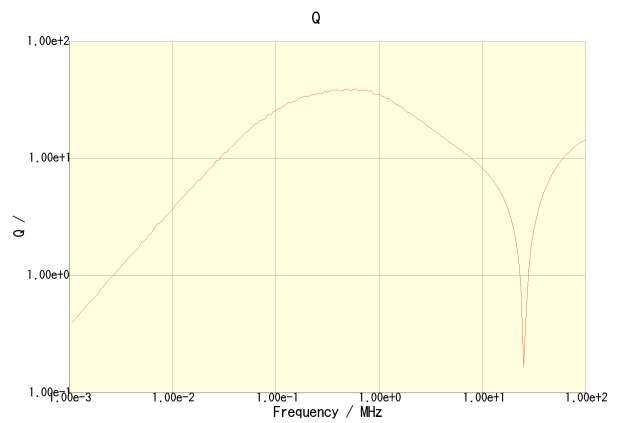
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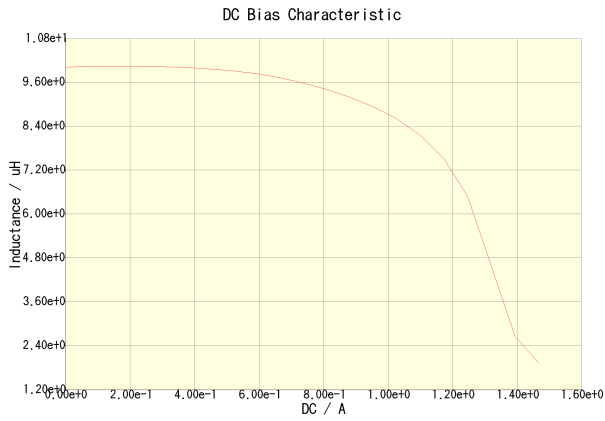


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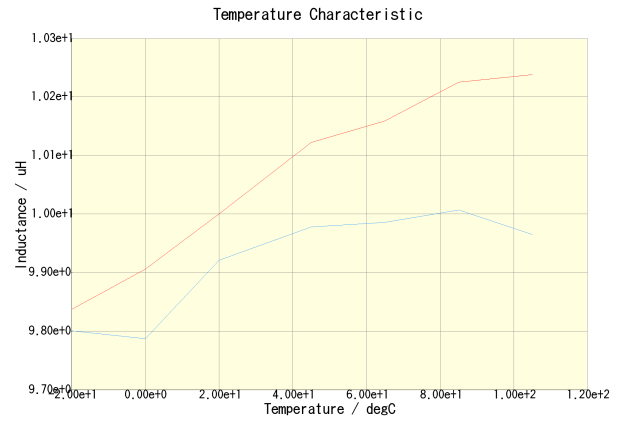
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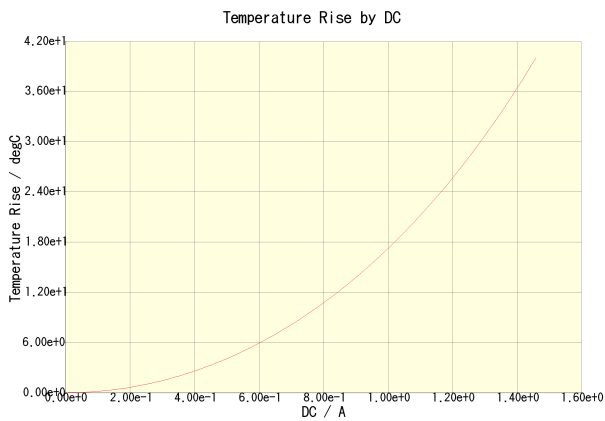
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



VLF403215MT-100M-CA(Amb. Temp. = 20degc)



VLF403215MT-100M-CA(DC = 0A) VLF403215MT-100M-CA(DC = 0.5A)





VLF403215MT-100M-CA(Amb. Temp. = 20degc)

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-  Alternative Solution
-  Excess Inventory Management