





# VLS4012ET-2R2M

Applications		Commercial Grade
Feature		Wire Wound
		Magnetic Shield
		Ferrite Core
Series	VLS-E Series / VLS4012E Type	
Status	Production	



Size	
Length(L)	4.00mm +/-0.10mm
Width(W)	4.00mm +/-0.10mm
Thickness(T)	1.20mm Max.
Recommended Land Pattern (A)	1.30mm Nom.
Recommended Land Pattern (B)	1.40mm Nom.
Recommended Land Pattern (C)	4.00mm Nom.

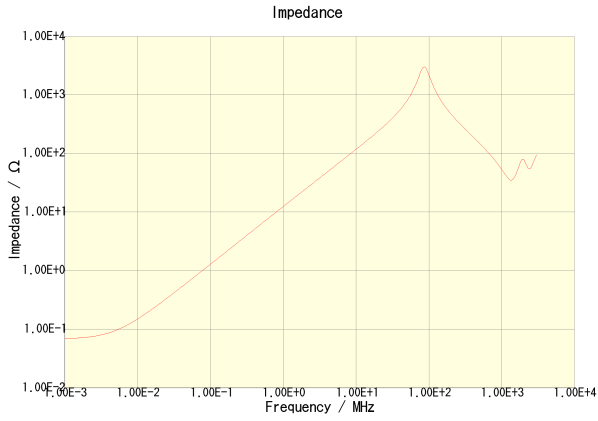
Electrical Characteristics	
Inductance	2.2uH +/-20% at 1MHz
Rated Current (L Change) [Typ.]	1.9A (30% Down)
Rated Current (L Change) [Max.]	1.7A (30% Down)
Rated Current (Temperature Rise) [Typ.]	2.2A (40degC Rise)
DC Resistance [Nom.]	67mΩ
DC Resistance [Max.]	81mΩ

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	1000Pcs Min.
Weight	0.067g

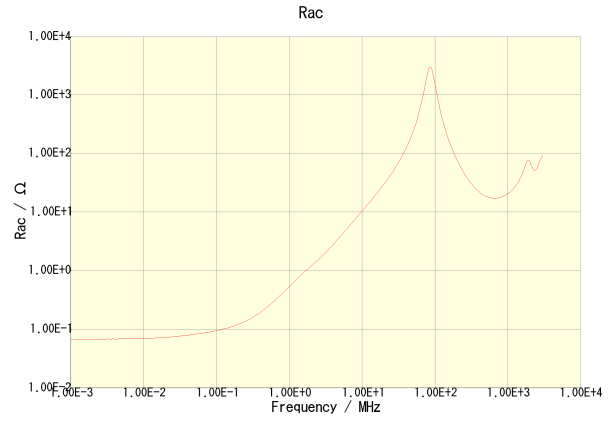
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 •All specifications are subject to change without notice.

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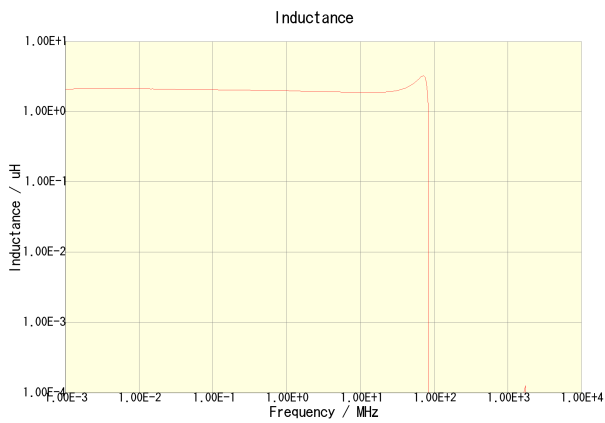
**Characteristic Graphs** (This is reference data, and does not guarantee the product's characteristics.)



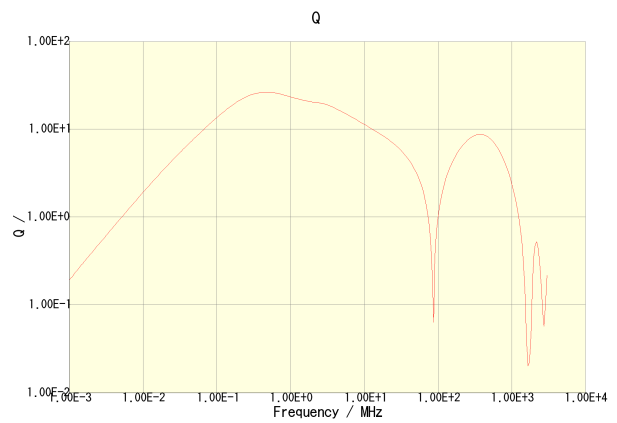
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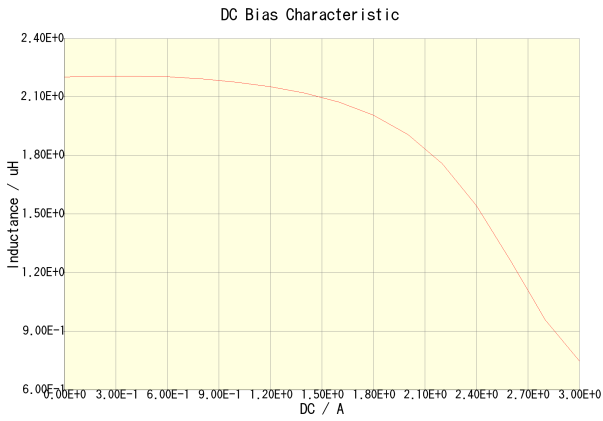


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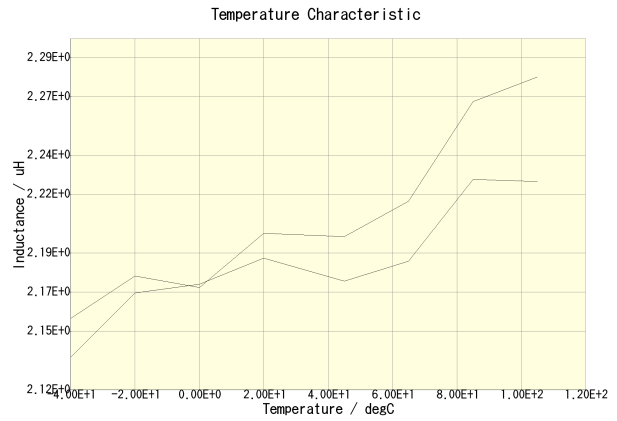
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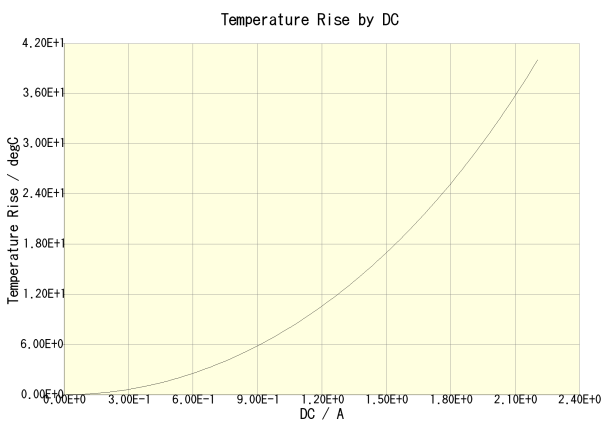


VLS4012ET-2R2M(Amb. Temp. = 20degc)



VLS4012ET-2R2M(DC = 0A)

VLS4012ET-2R2M(DC = 0.85A)



VLS4012ET-2R2M(Amb. Temp. = 20degc)

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