





# VLCF5020T-1R8N2R0

Applications		Commercial Grade
Feature		Wire Wound
		Magnetic Shield
		Ferrite Core
Series	VLCF Series / VLCF5020 Type	
Status	Production	



Size	
Length(L)	5.00mm +/-0.20mm
Width(W)	5.00mm +/-0.20mm
Thickness(T)	2.00mm Max.
Recommended Land Pattern (A)	2.10mm Nom.
Recommended Land Pattern (B)	1.30mm Nom.
Recommended Land Pattern (C)	3.00mm Nom.
Recommended Land Pattern (D)	4.90mm Nom.

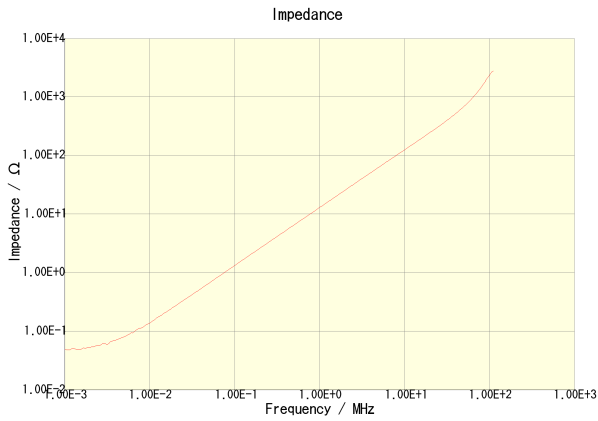
Electrical Characteristics	
Inductance	1.8uH +/-30% at 100kHz
Rated Current (L Change) [Max.]	2.07A (30% Down)
Rated Current (Temperature Rise) [Typ.]	2.75A (40degC Rise)
DC Resistance [Nom.]	49mΩ
DC Resistance [Max.]	59mΩ

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	500Pcs Min.
Weight	0.18g

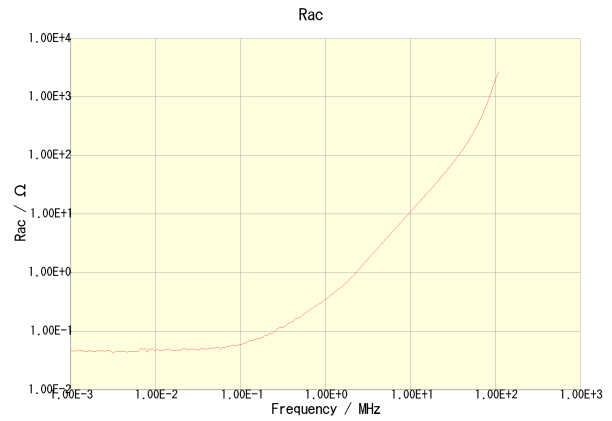
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 •All specifications are subject to change without notice.

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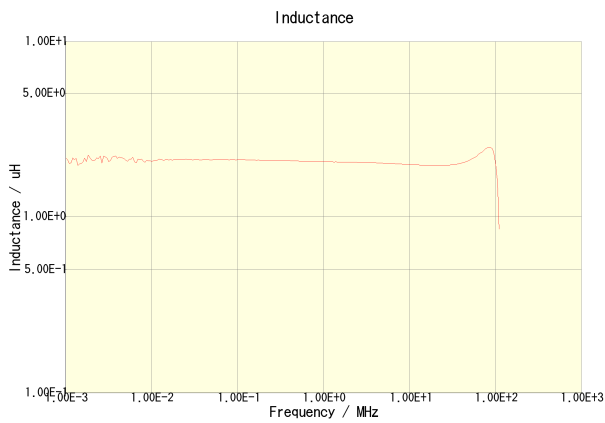
**Characteristic Graphs** (This is reference data, and does not guarantee the product's characteristics.)



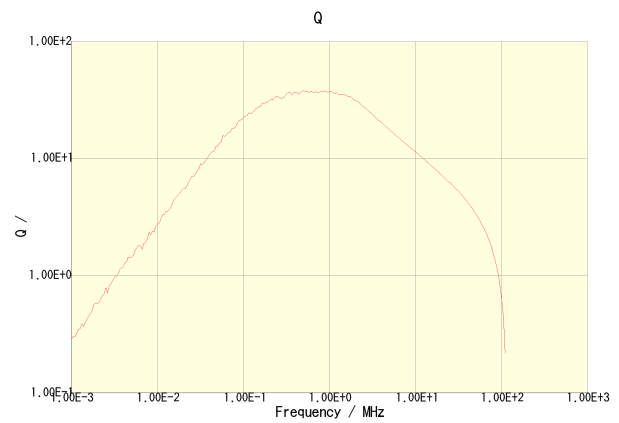
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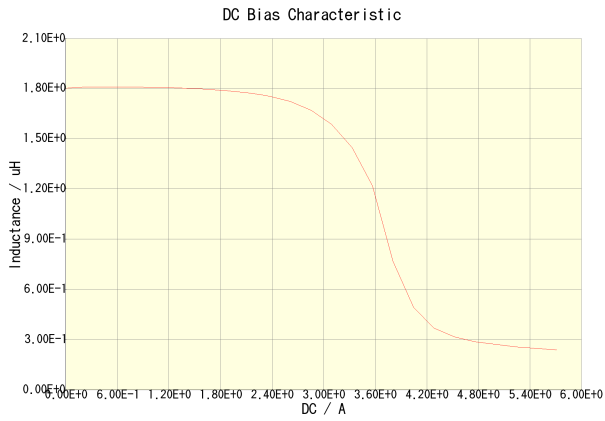


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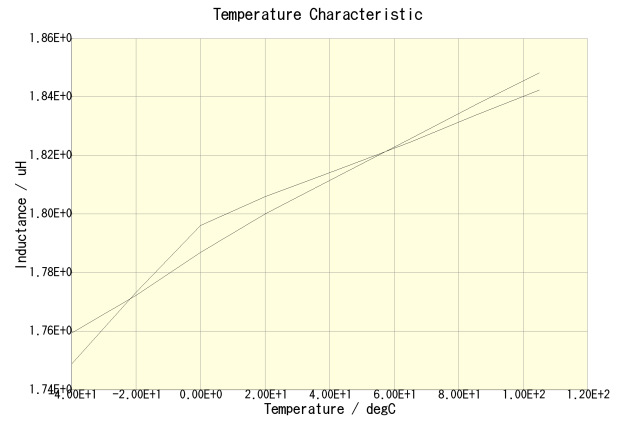
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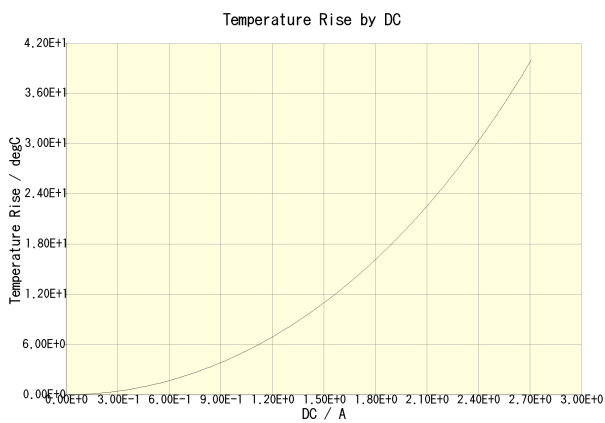


**VLCF5020T-1R8N2R0(Amb. Temp. = 20degc)**



**VLCF5020T-1R8N2R0(DC = 0A)**

**VLCF5020T-1R8N2R0(DC = 1.035A)**



**VLCF5020T-1R8N2R0(Amb. Temp. = 20degc)**

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