





# VLCF4018T-1R6N1R7-2

Applications		Commercial Grade
Feature		Wire Wound
		Magnetic Shield
		Ferrite Core
Series	VLCF Series / VLCF4018-2 Type	
Status	Production	



Size	
Length(L)	4.00mm +/-0.10mm
Width(W)	4.00mm +/-0.10mm
Thickness(T)	1.80mm Max.
Recommended Land Pattern (A)	1.60mm Nom.
Recommended Land Pattern (B)	1.30mm Nom.
Recommended Land Pattern (C)	2.50mm Nom.
Recommended Land Pattern (D)	3.90mm Nom.

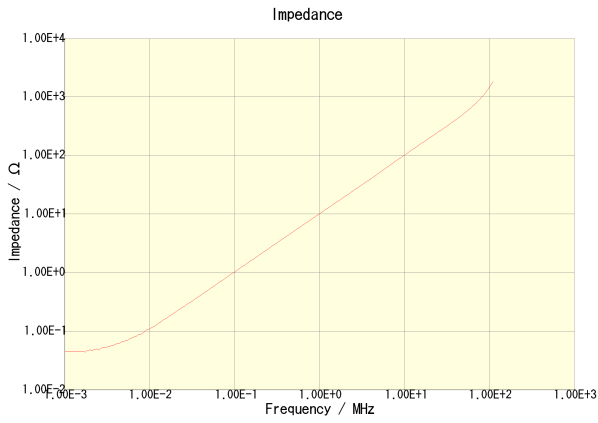
Electrical Characteristics	
Inductance	1.6uH +/-30% at 100kHz
Rated Current (L Change) [Max.]	1.72A (30% Down)
Rated Current (Temperature Rise) [Typ.]	2.42A (40degC Rise)
DC Resistance [Nom.]	44mΩ
DC Resistance [Max.]	51mΩ

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	0.106g

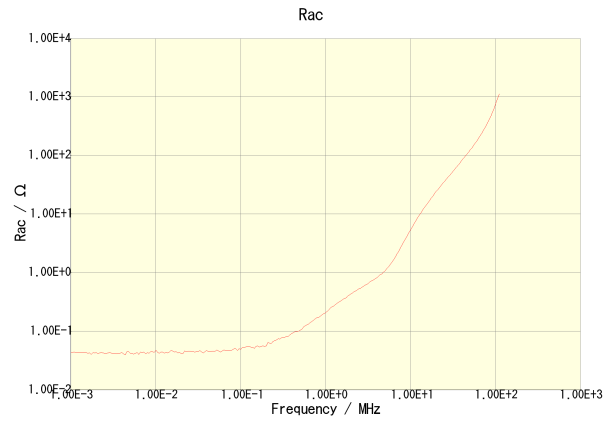
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 •All specifications are subject to change without notice.

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



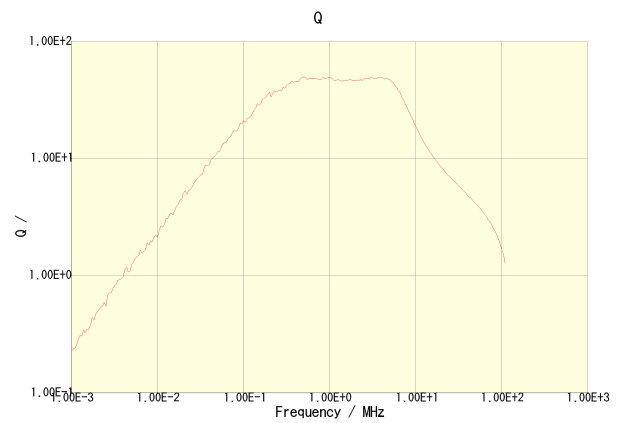
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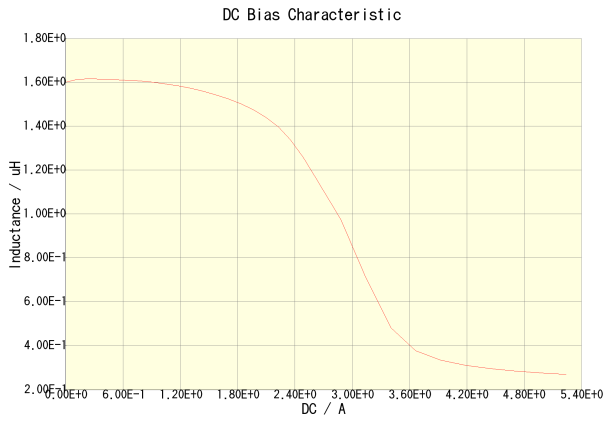


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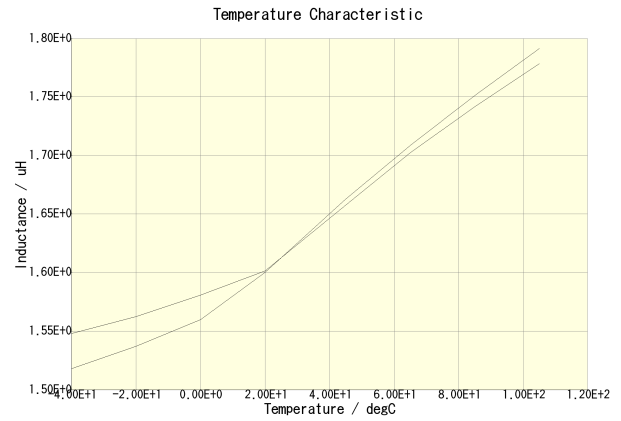
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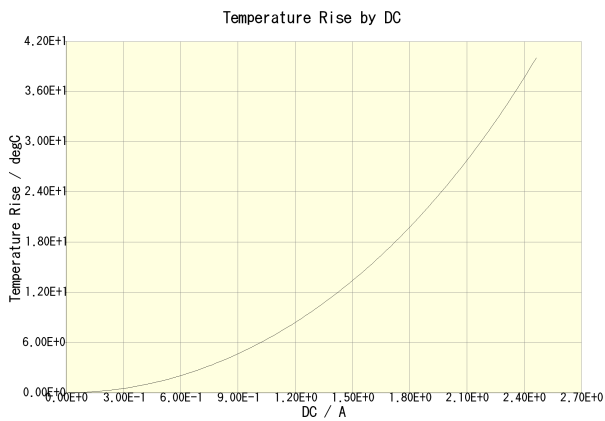
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



**VLCF4018T-1R6N1R7-2(Amb. Temp. = 20degC)**



**VLCF4018T-1R6N1R7-2(DC = 0A) VLCF4018T-1R6N1R7-2(DC = 0.86A)**



**VLCF4018T-1R6N1R7-2(Amb. Temp. = 20degC)**

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