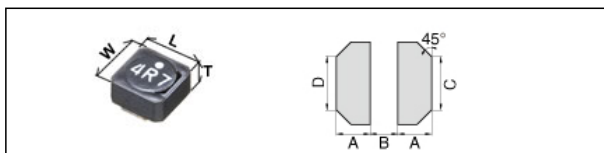


VLCF5020T-470MR51-1

Applications		Commercial Grade
Feature		Wire Wound
		Magnetic Shield
		Ferrite Core
Series	VLCF Series / VLCF5020-1 Type	
Status	Production	



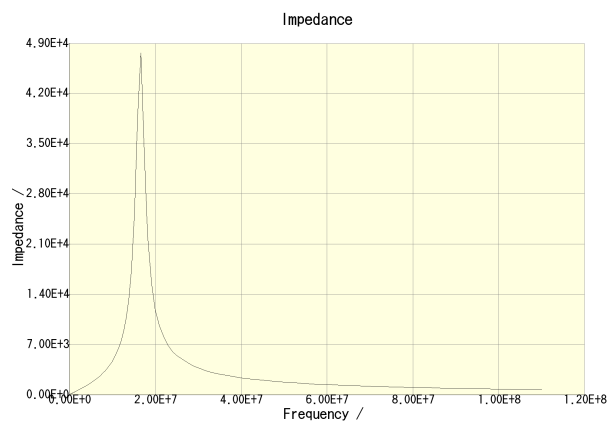
Size	
Length(L)	5.00mm +/-0.20mm
Width(W)	5.00mm +/-0.20mm
Thickness(T)	2.00mm Max.
Recommended Land Pattern (A)	2.10mm Nom.
Recommended Land Pattern (B)	1.30mm Nom.
Recommended Land Pattern (C)	3.00mm Nom.
Recommended Land Pattern (D)	4.90mm Nom.

Electrical Characteristics	
Inductance	47uH +/-20% at 100kHz
Rated Current (L Change) [Max.]	510mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	710mA (40degC Rise)
DC Resistance [Nom.]	875mΩ
DC Resistance [Max.]	1.05Ω

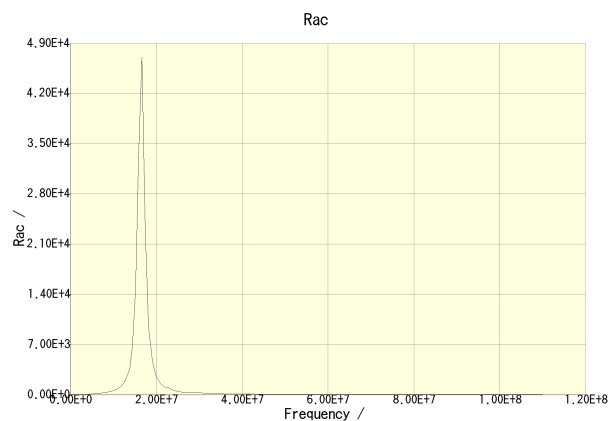
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC
Soldering Method	Reflow
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	500Pcs Min.
Weight	0.18g

VLCF5020T-470MR51-1

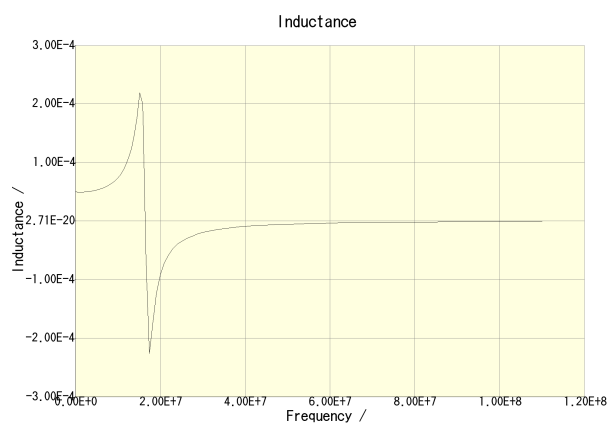
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



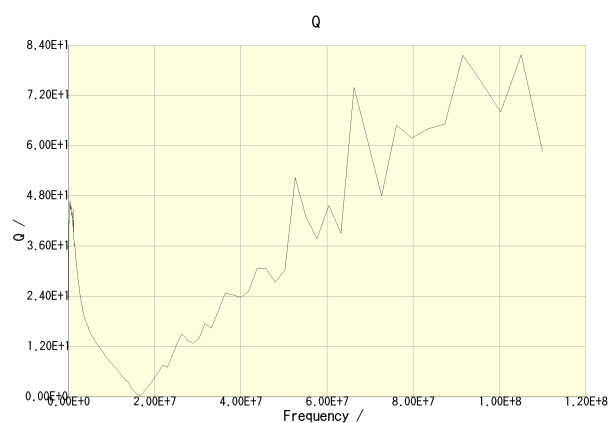
VLCF5020T-470MR51-1



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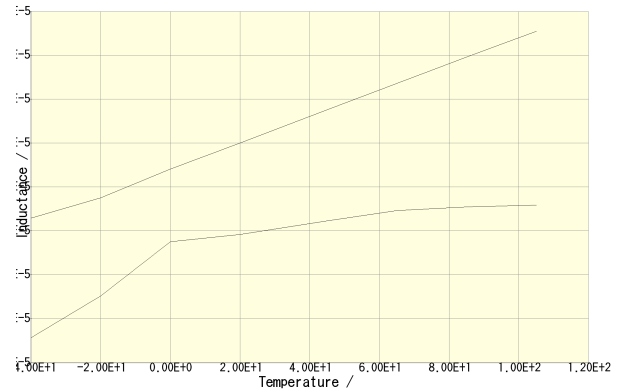
VLCF5020T-470MR51-1

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

DC Bias Characteristic

no data available

Temperature Characteristic



VLCF5020T-470MR51-1(DC = 0A)

VLCF5020T-470MR51-1(DC = 0.255A)

Temperature Rise by DC

no data available