

VLCF5020T-2R7N1R7



Applications



Commercial Grade

Feature



Magnetic Shield



Wire Wound



Ferrite Core

Series | Type

VLCF

Status



Production

Brand

TDK



Size

Length(L)	5.00mm ±0.20mm
Width(W)	5.00mm ±0.20mm
Thickness Height	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	2.7μH ±30% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	1.76A (30% Down)
Rated Current (Temperature Rise) [Typ.]	2.51A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	58mΩ
DC Resistance [Max.]	71mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other

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

! Images are for reference only and show exemplary products.

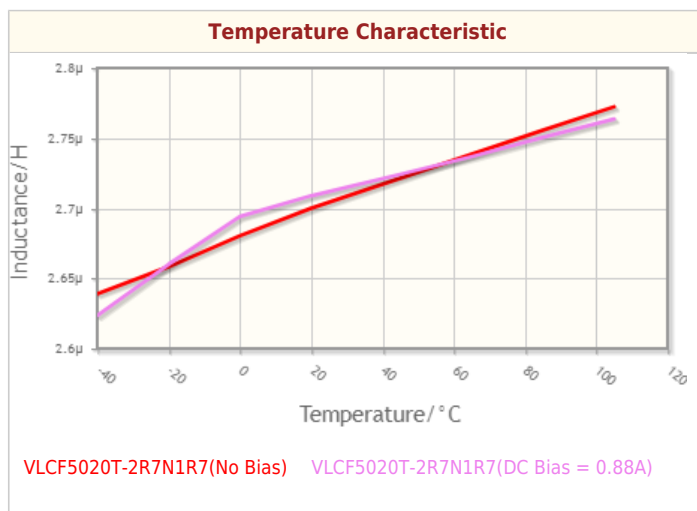
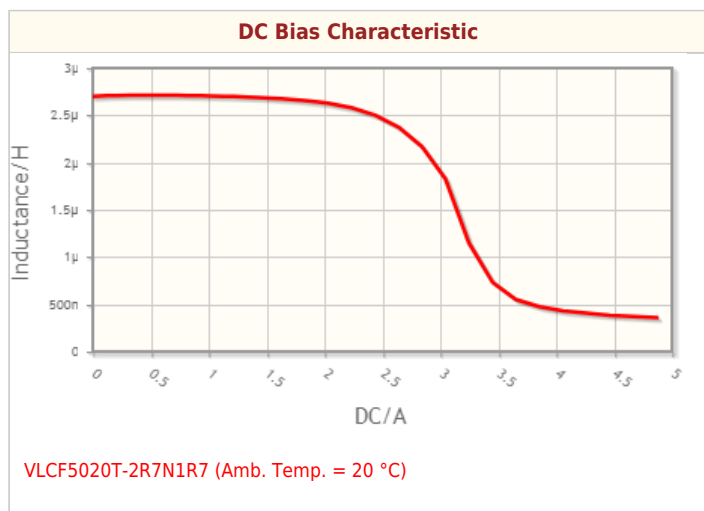
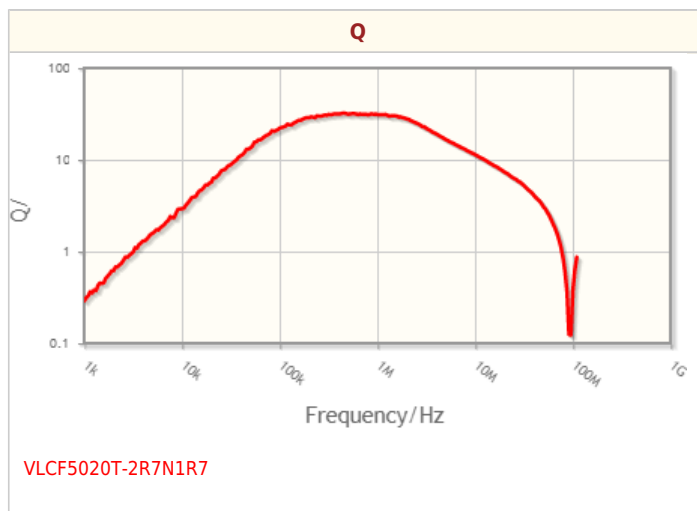
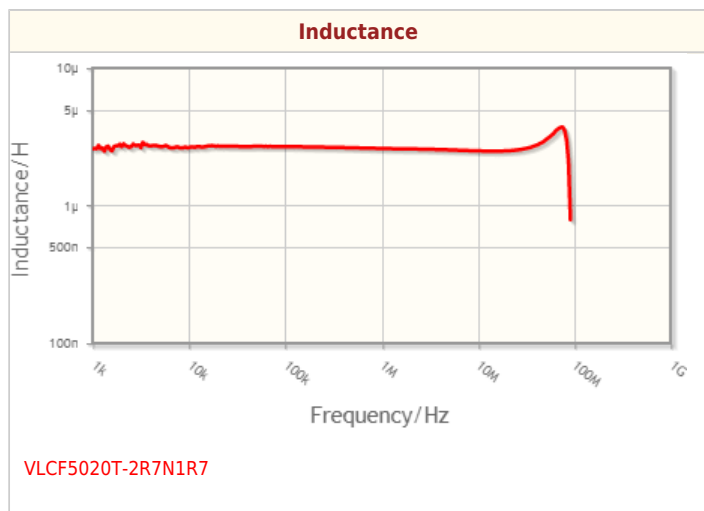
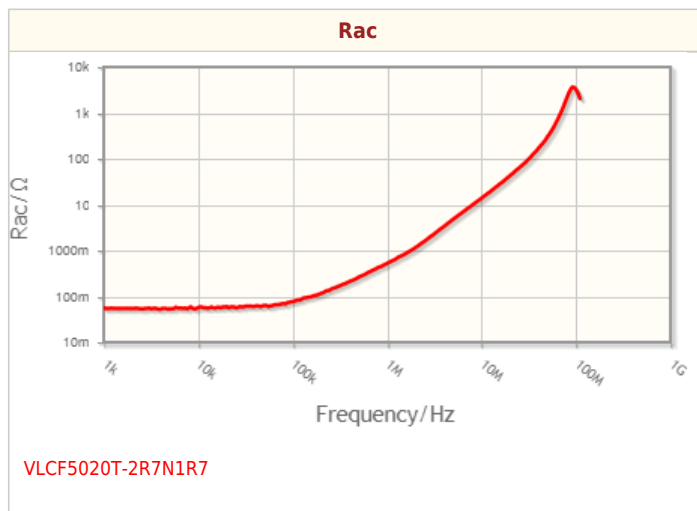
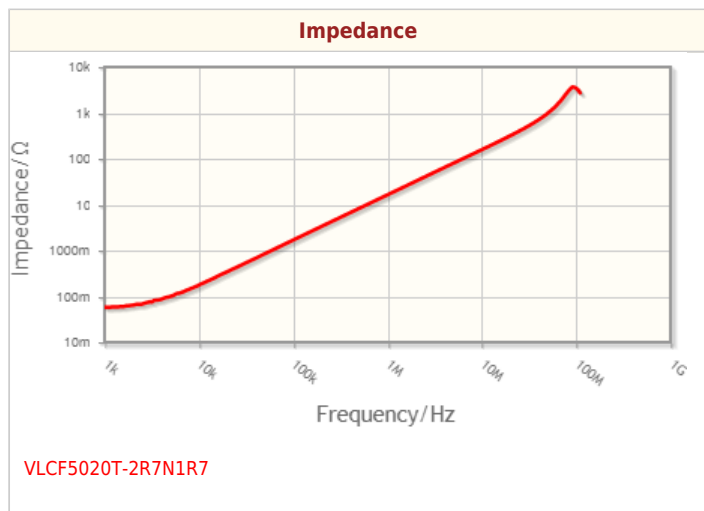
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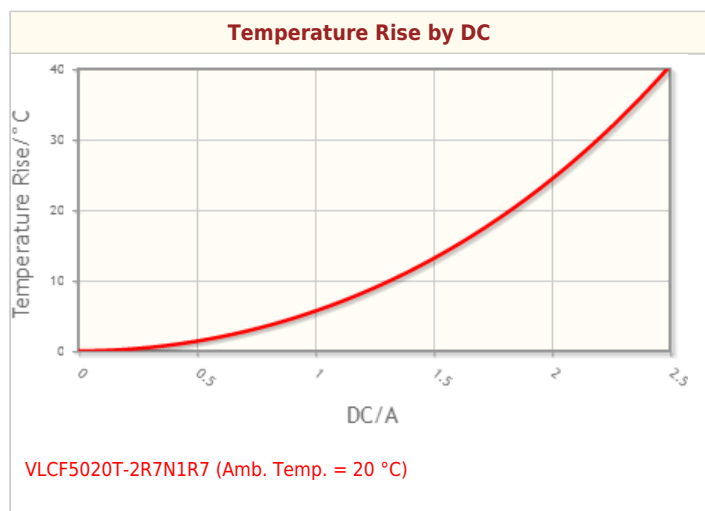
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



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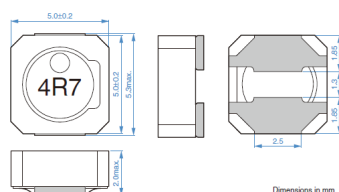


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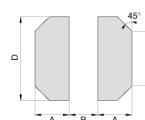


Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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