

VLCF5020T-2R7N1R7

**Applications**

Commercial Grade

Feature

Magnetic Shield



Wire Wound



Ferrite Core

Series | Type

VLCF

Status

Production

Brand

TDK

**Size**

Length(L)	5.00mm ± 0.20 mm
Width(W)	5.00mm ± 0.20 mm
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	2.7 μ H $\pm 30\%$ 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.]	58m Ω
DC Resistance [Max.]	71m Ω
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.

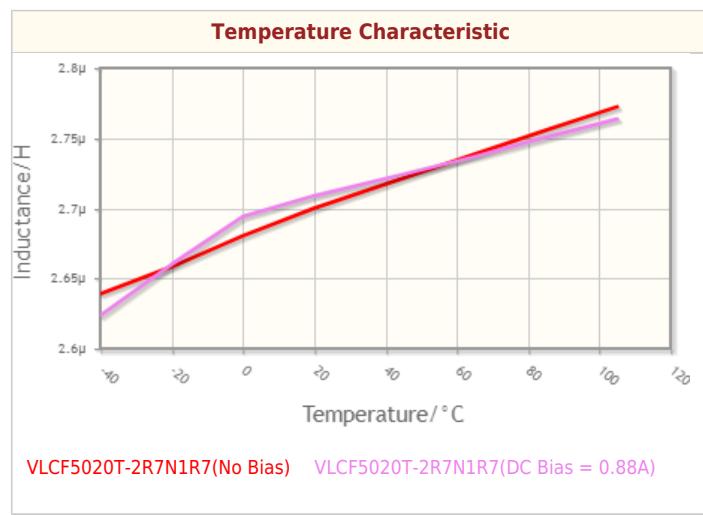
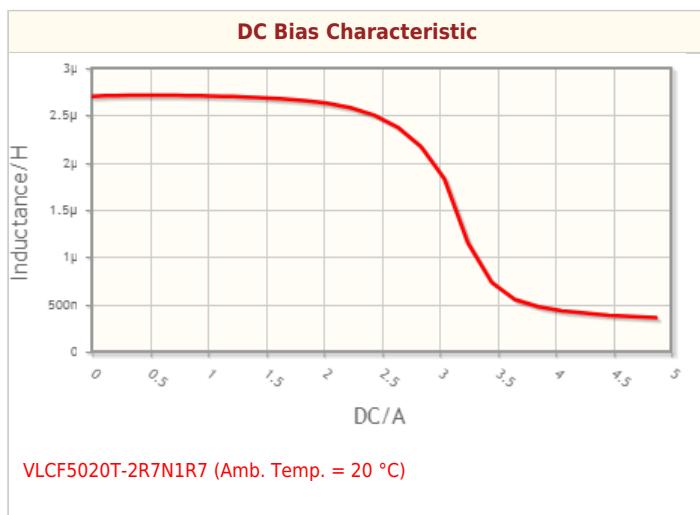
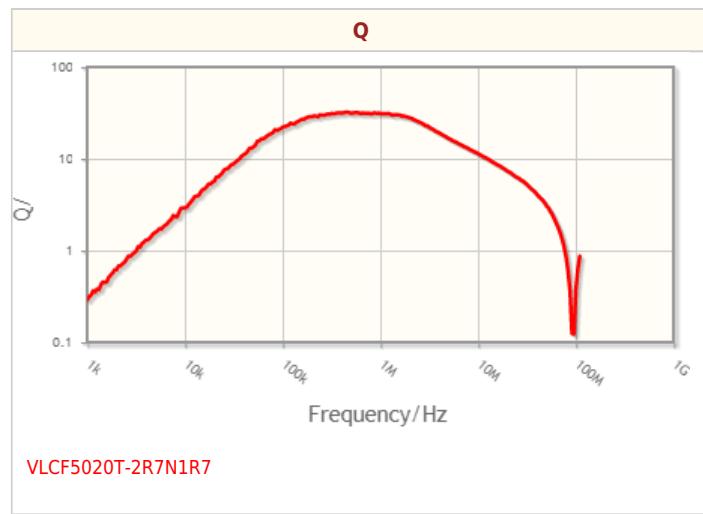
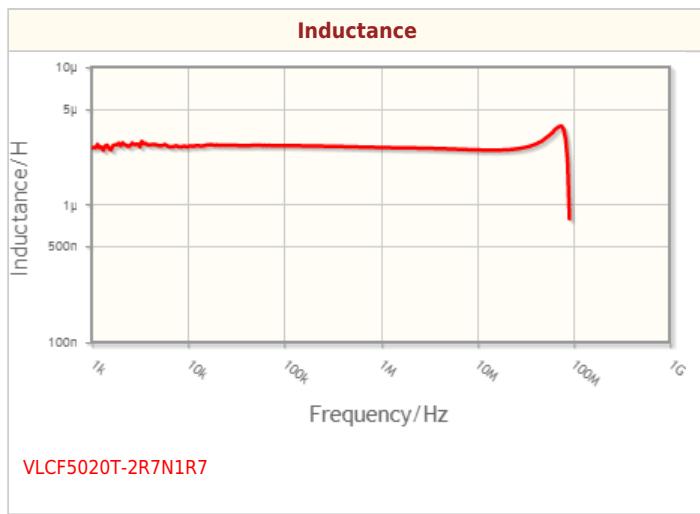
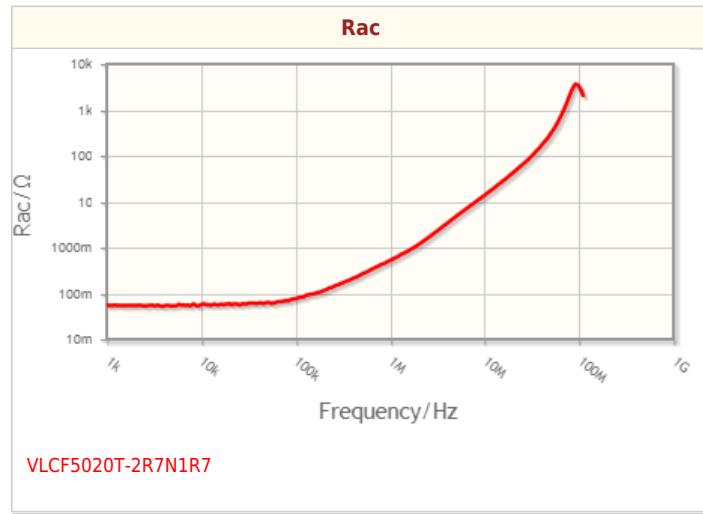
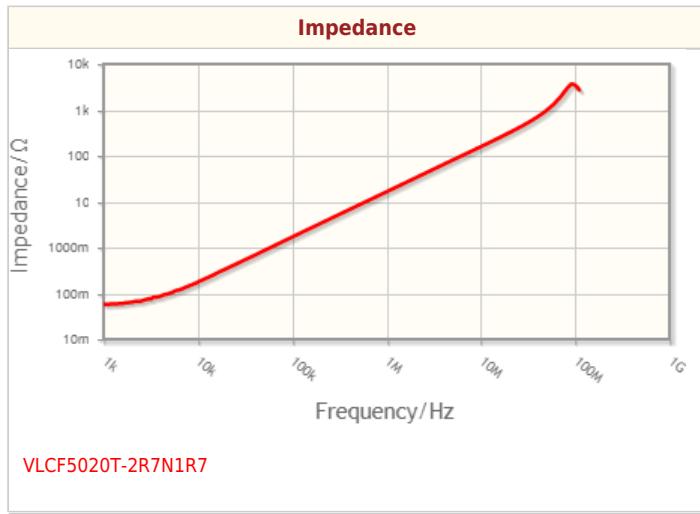
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

VLCF5020T-2R7N1R7



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



! Images are for reference only and show exemplary products.

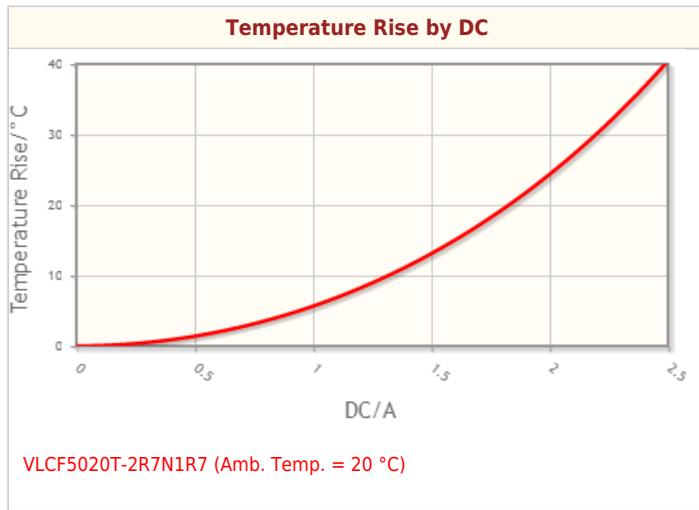
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

VLCF5020T-2R7N1R7



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



! Images are for reference only and show exemplary products.

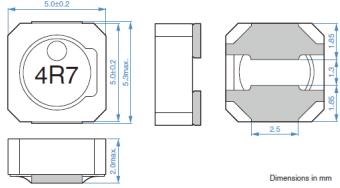
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

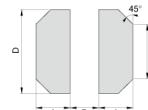


Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



Dimensions in mm

! Images are for reference only and show exemplary products.

! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.