

VLCF4028T-471MR14-2

**Applications**

Commercial Grade

Wire Wound

Magnetic Shield

Ferrite Core

**Series | Type**

VLCF

**Status**

Production

**Brand**

TDK

**Size**

Length(L)	4.00mm $\pm 0.10$ mm
Width(W)	4.00mm $\pm 0.10$ mm
Thickness   Height	2.80mm 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	470 $\mu$ H $\pm 20\%$ at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	140mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	250mA (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	3.98 $\Omega$
DC Resistance [Max.]	4.58 $\Omega$
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

**Other**

Operating Temp. Range	-40 to 105°C (Including Self-Temp. Rise)
Soldering Method	Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	500pcs
Weight	0.159g

! Images are for reference only and show exemplary products.

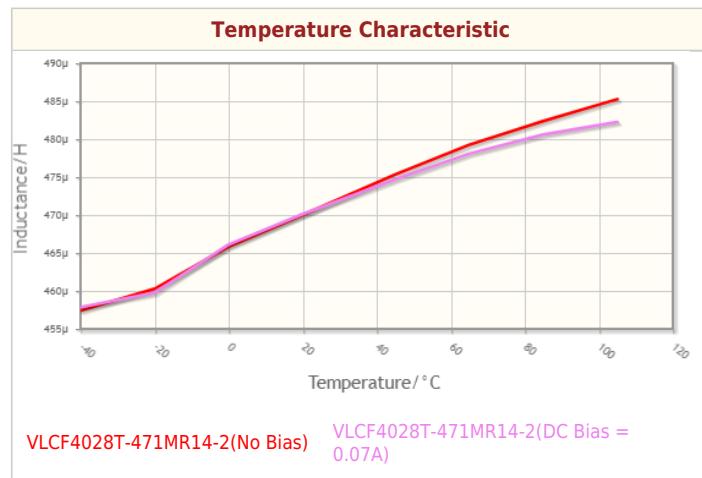
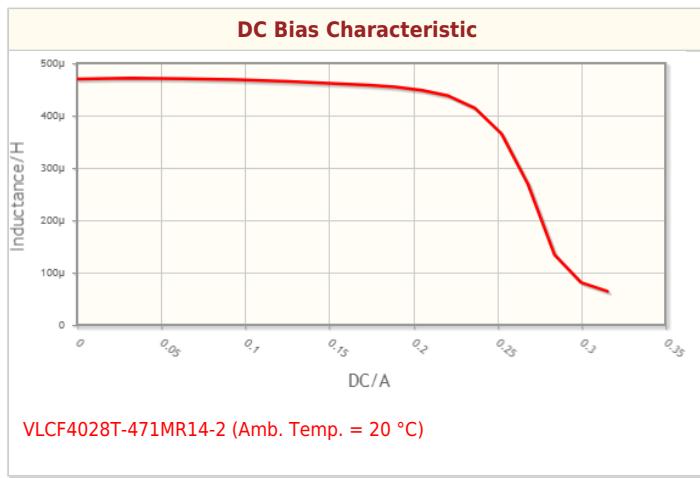
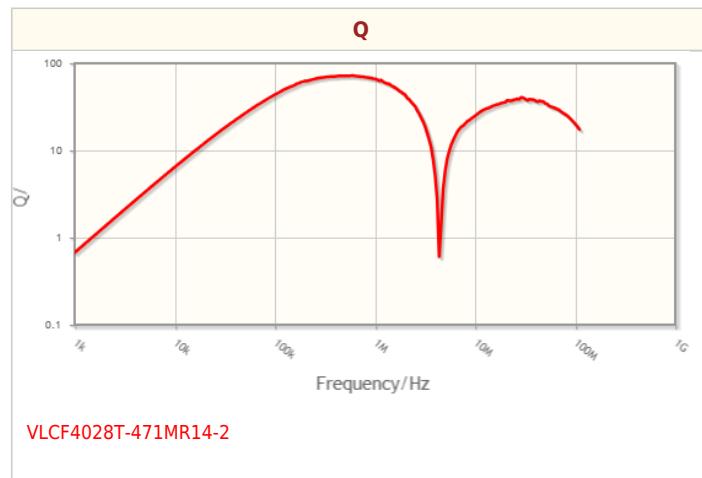
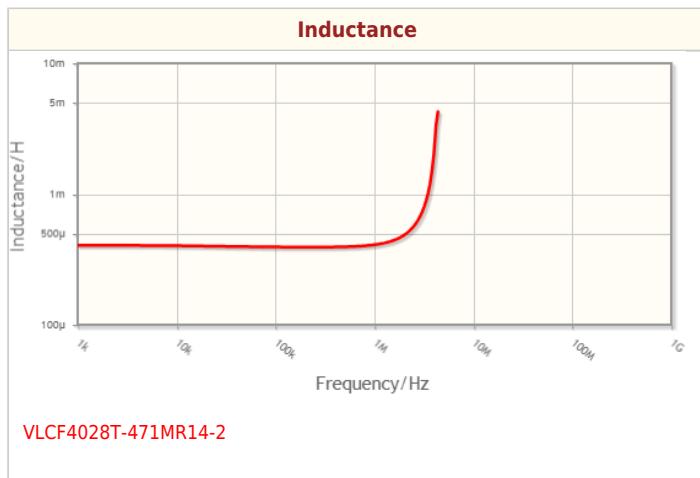
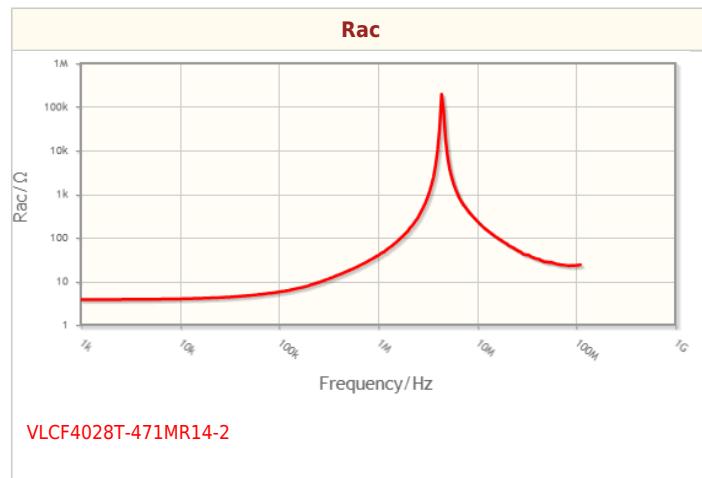
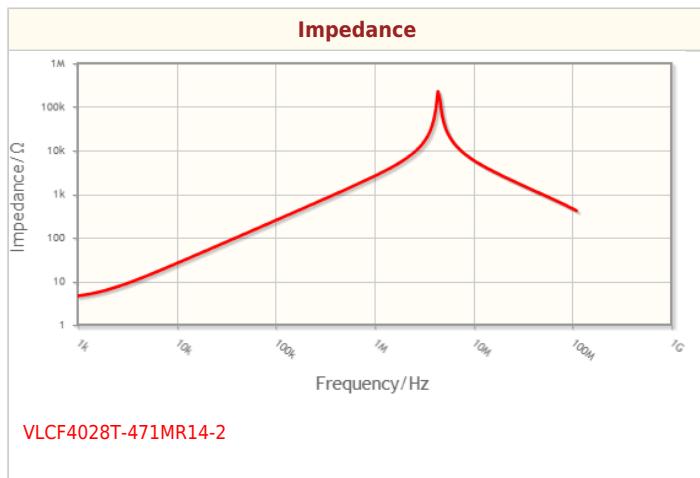
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

VLCF4028T-471MR14-2



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



! Images are for reference only and show exemplary products.

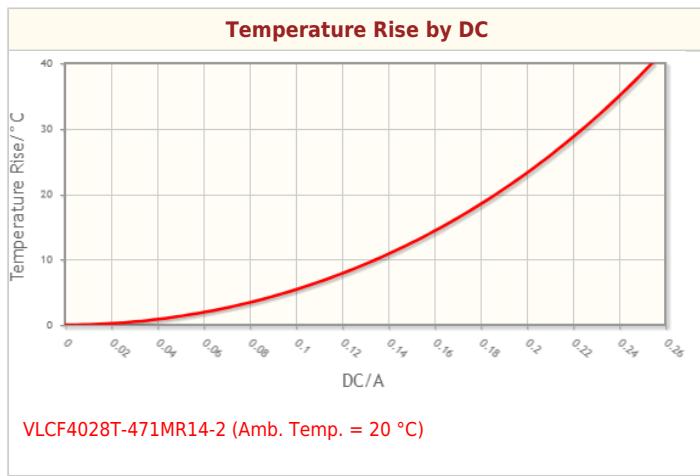
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

VLCF4028T-471MR14-2



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

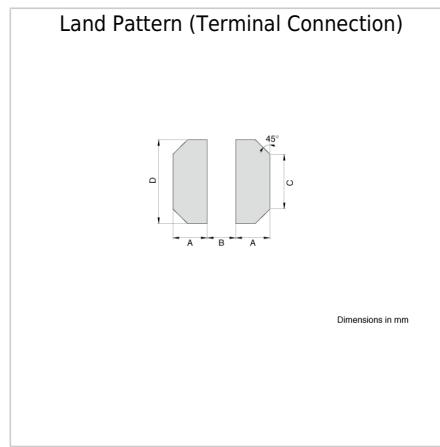
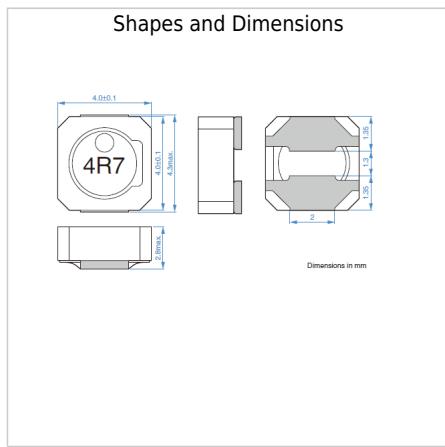


! Images are for reference only and show exemplary products.  
! This PDF document was created based on the data listed on the TDK Corporation website.  
! All specifications are subject to change without notice.

VLCF4028T-471MR14-2



## Associated Images



! 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.