

VLCF4024T-150MR80-2

**Applications**

Commercial Grade

Wire Wound

Magnetic Shield

Ferrite Core

Series | Type

VLCF

Status

Production

Brand

TDK

**Size**

Length(L)	4.00mm ± 0.10 mm
Width(W)	4.00mm ± 0.10 mm
Thickness Height	2.40mm 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	15 μ H $\pm 20\%$ at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	800mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	1.05A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	172m Ω
DC Resistance [Max.]	198m Ω
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	0.138g

! Images are for reference only and show exemplary products.

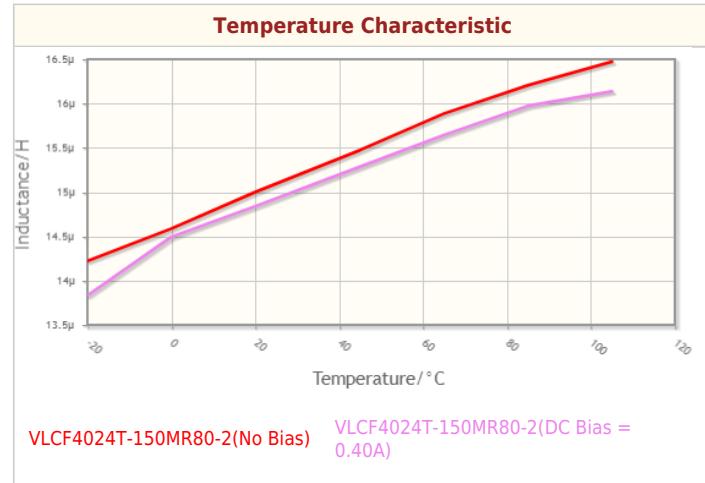
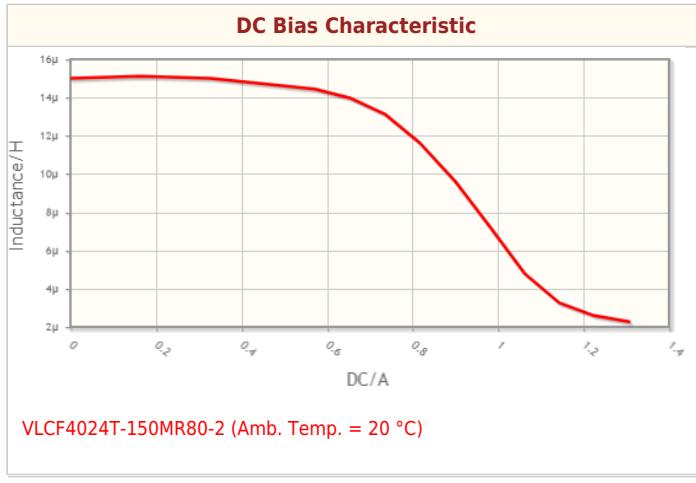
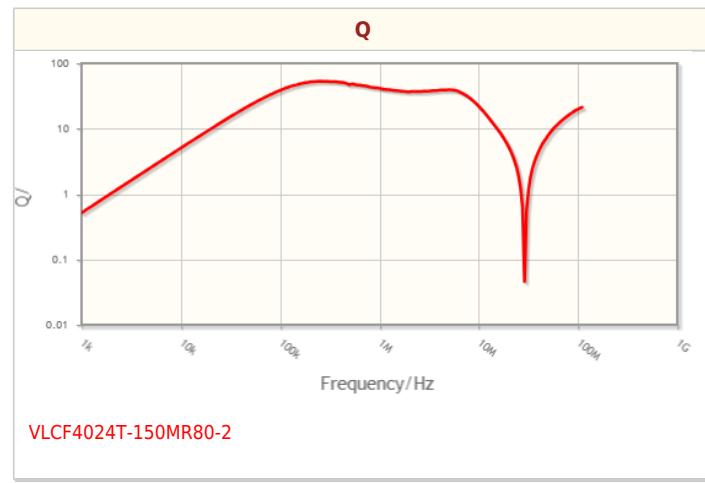
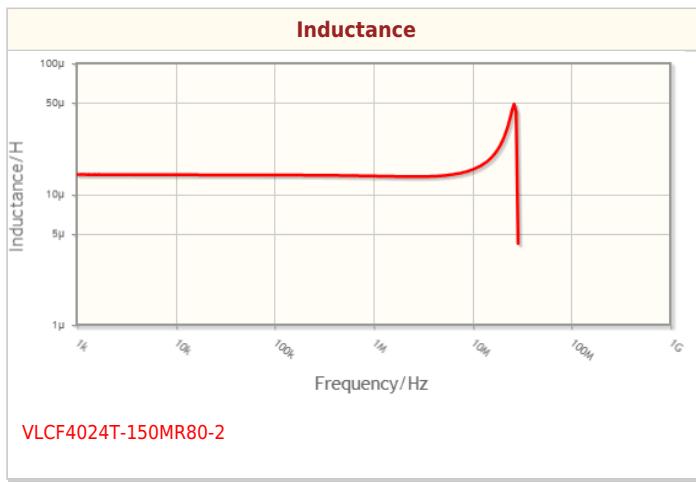
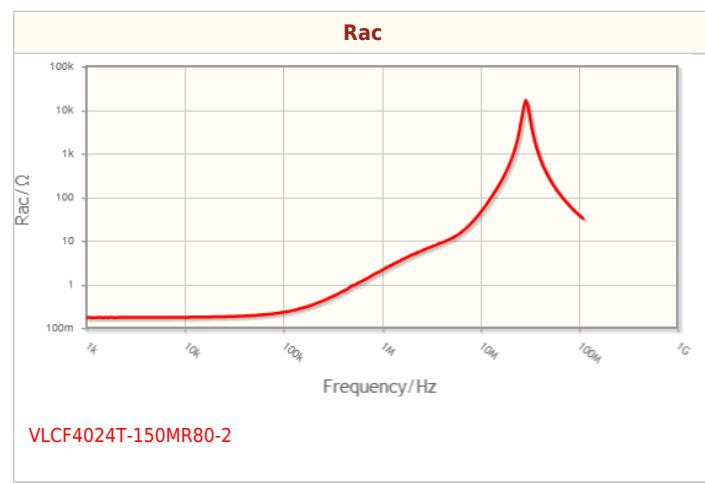
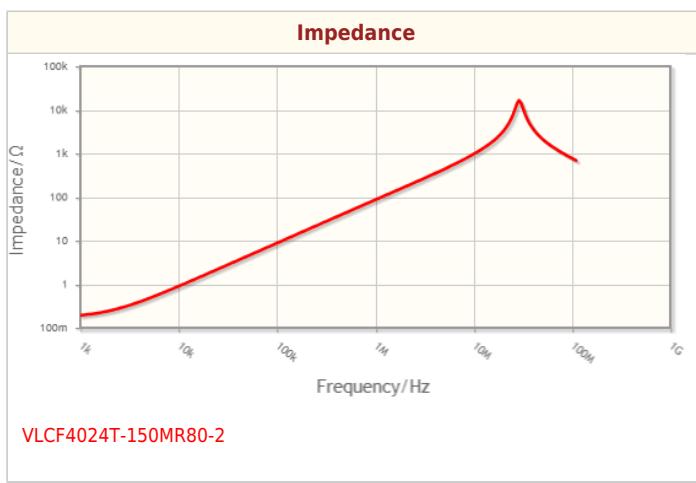
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

VLCF4024T-150MR80-2



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



! Images are for reference only and show exemplary products.

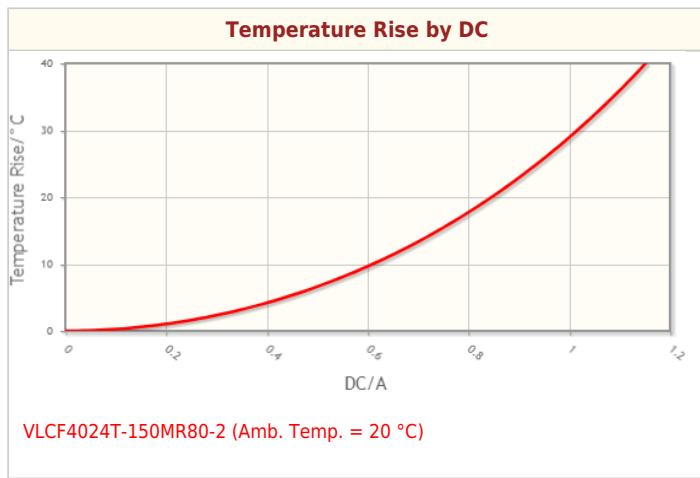
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

VLCF4024T-150MR80-2



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

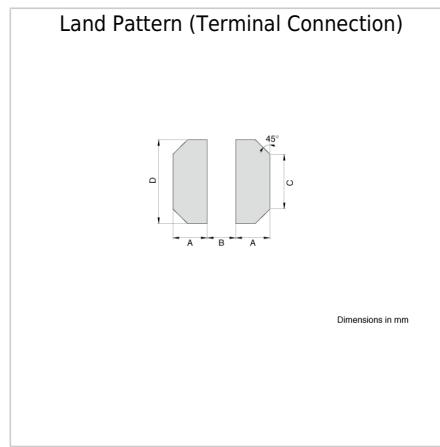
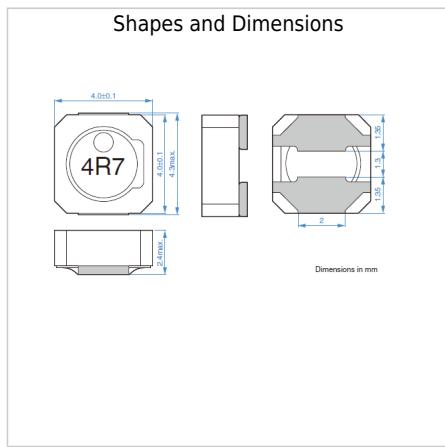


! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

VLCF4024T-150MR80-2



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.