

**Obsolete**

Recommended Alternate Part No. : [VLS4012CX-1R0M-1](#) (Interchangeability is not guaranteed.)

**Product Status**

Discontinue Issue Date : May.18, 2017

Last Purchase Order Date : Mar.29, 2019

Last Shipment Date : Sep.30, 2019

**Applications**

Commercial Grade

Wire Wound

Wire Wound

**Feature**

Shield

Magnetic Shield

Ferrite Core

Ferrite Core

**Series | Type**

VLF

**Brand**

TDK

**Environmental**

RoHS



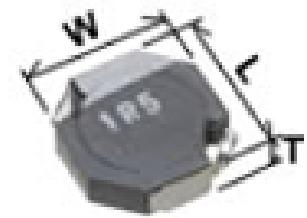
REACH



Halogen Free



Lead Free

**Compliance****Size**

Length(L)	3.80mm Nom.
Width(W)	3.60mm Nom.
Thickness   Height	1.20mm Max.
Recommended Land Pattern (A)	0.90mm Nom.
Recommended Land Pattern (B)	2.90mm Nom.
Recommended Land Pattern (C)	1.30mm Nom.

**Electrical Characteristics**

Inductance	1 $\mu$ H $\pm 30\%$ at 1MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	2.7A (30% Down)
Rated Current (Temperature Rise) [Typ.]	1.9A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	45m $\Omega$
DC Resistance [Max.]	54m $\Omega$
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

**Other**

Operating Temp. Range	-40 to 105°C (Including Self-Temp. Rise)
-----------------------	--

! Images are for reference only and show exemplary products.

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

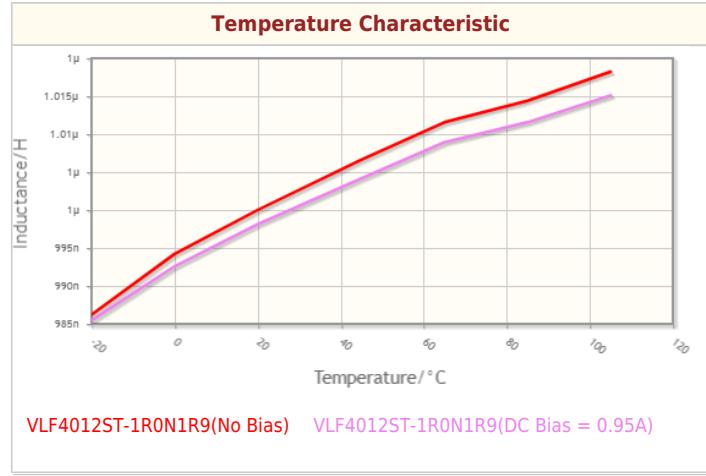
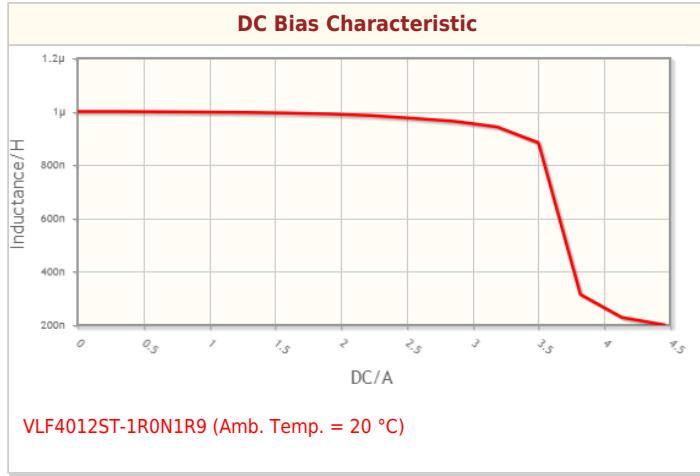
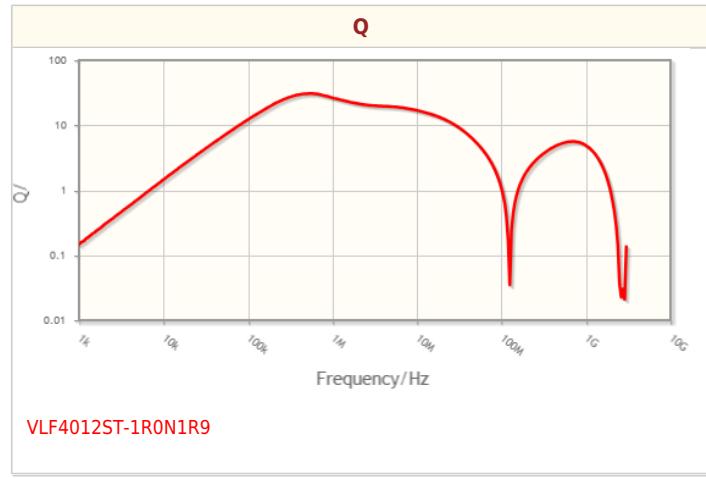
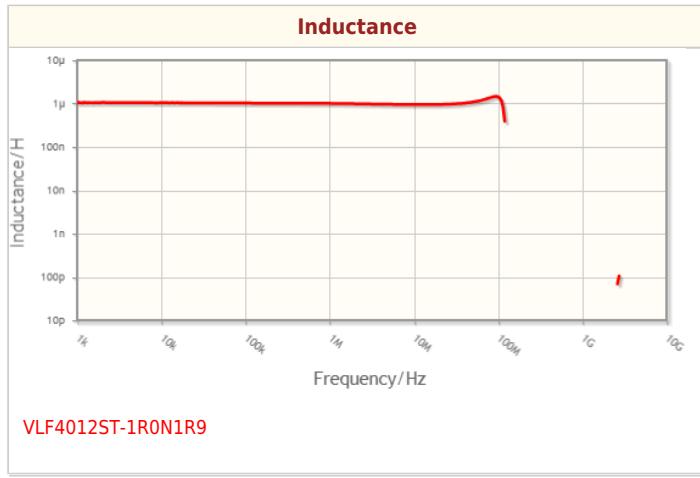
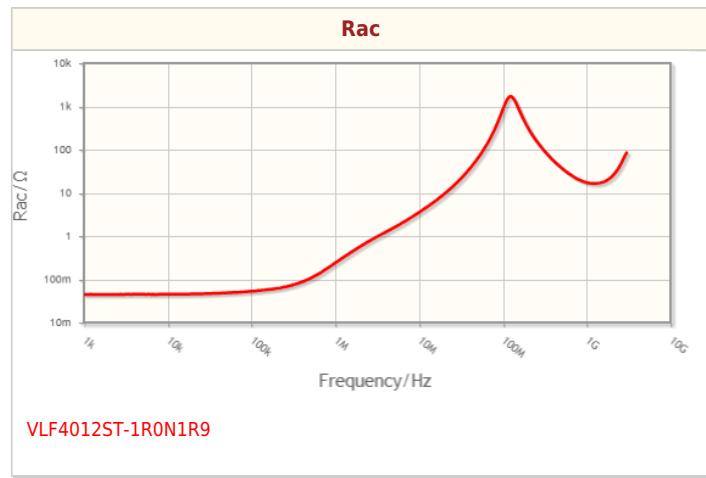
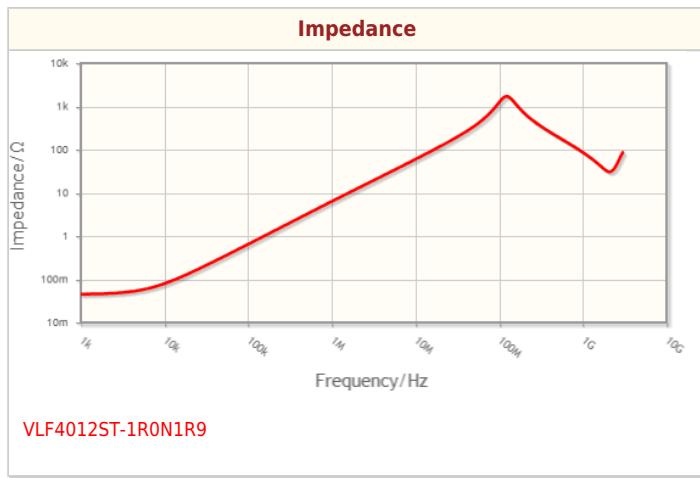
! All specifications are subject to change without notice.

## VLF4012ST-1R0N1R9

Soldering Method	Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	1000pcs
Weight	0.05g

! 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.

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

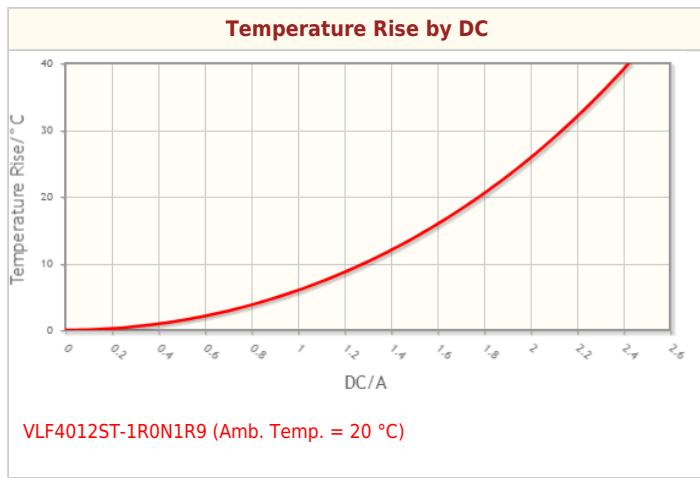


! Images are for reference only and show exemplary products.

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

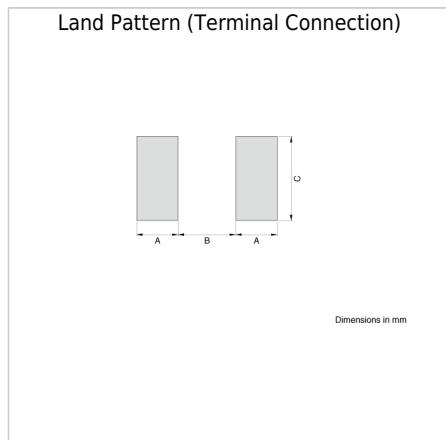
! All specifications are subject to change without notice.

## 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



! 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.