





Product Status	Obsolete
	Recommended Alternate Part No. : <a href="#">VLS4012CX-1R0M-1</a> (Interchangeability is not guaranteed.)
	Discontinue Issue Date : May.18, 2017
	Last Purchase Order Date : Mar.29, 2019
	Last Shipment Date : Sep.30, 2019
Applications	Commercial Grade
Feature	Wire WoundWire Wound
	ShieldMagnetic Shield
	Ferrite CoreFerrite Core
Series   Type	VLF
Brand	TDK
Environmental Compliance	<div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div>



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	1μH ±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.]	45mΩ
DC Resistance [Max.]	54mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

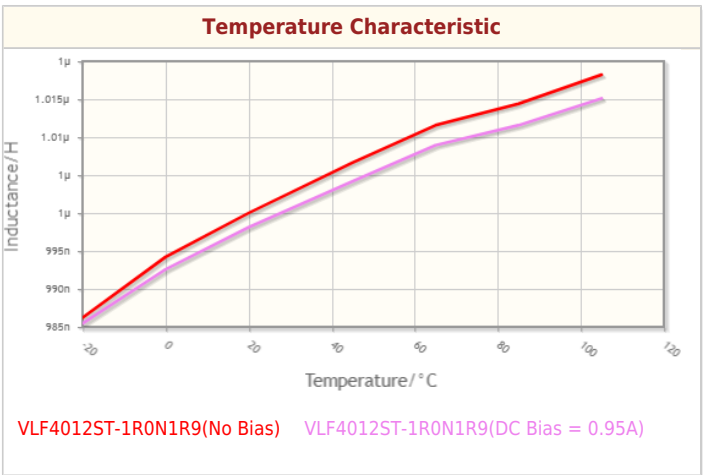
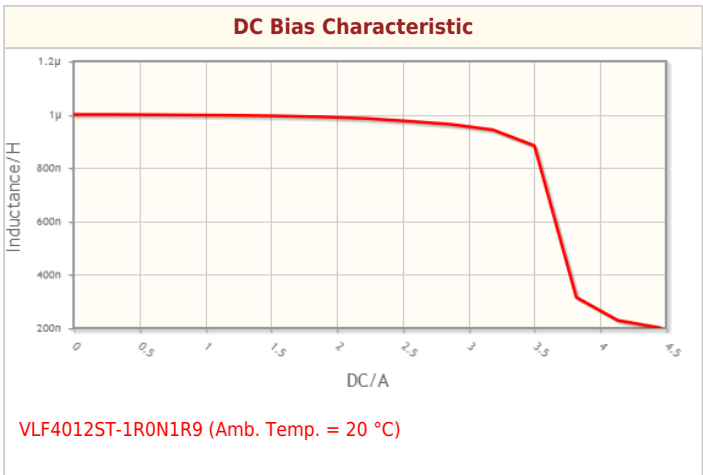
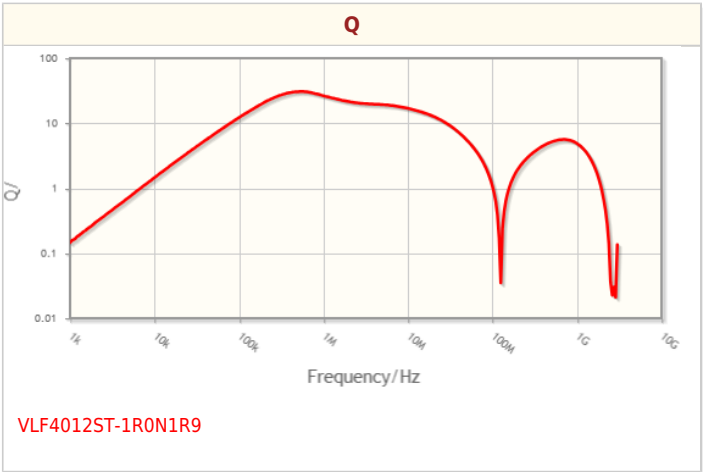
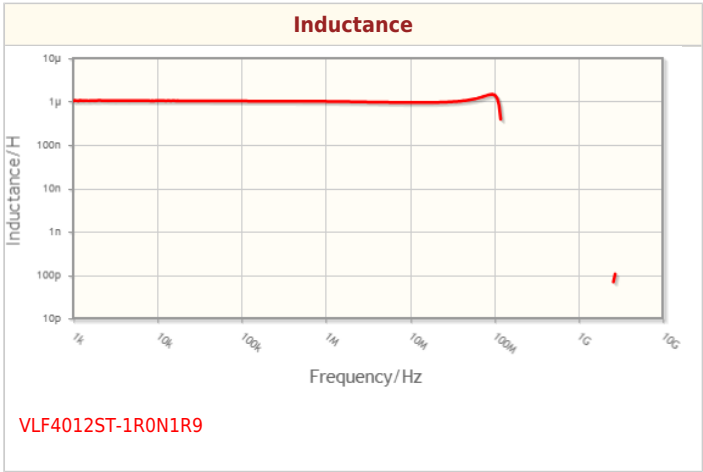
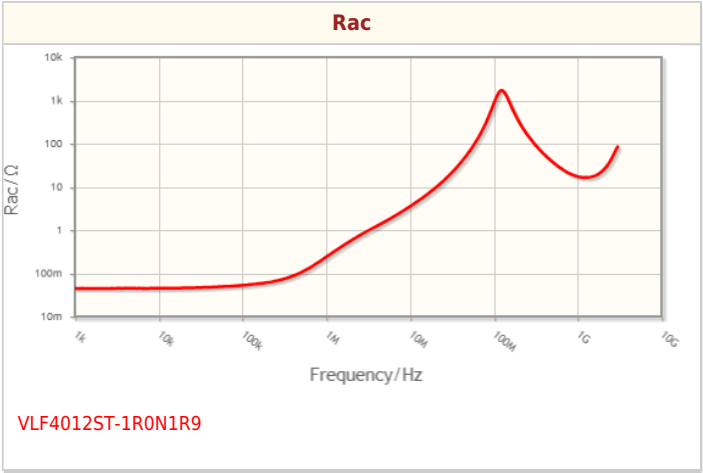
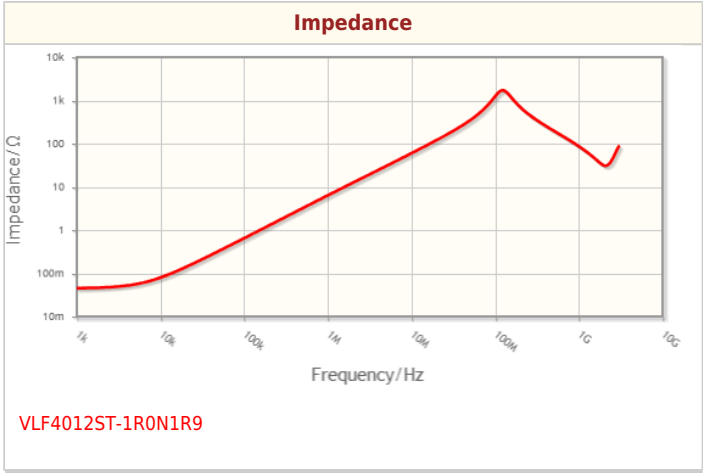
Other	
Operating Temp. Range	-40 to 105°C (Including Self-Temp. Rise)

! 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.

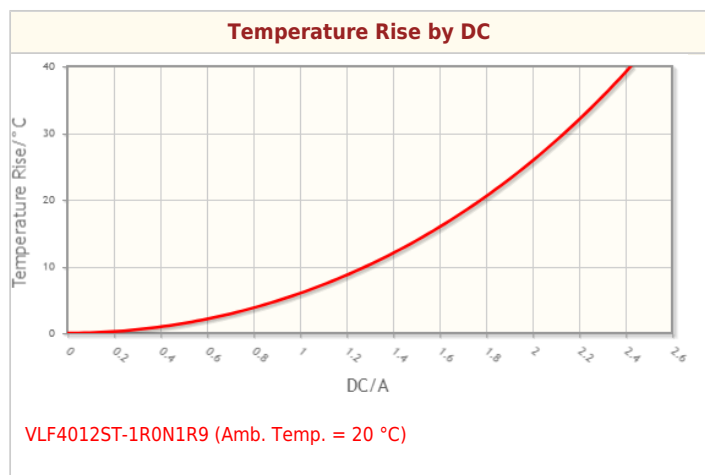
VLF4012ST-1R0N1R9

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

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



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



## Associated Images

