

Applications	Commercial Grade
Feature	<div style="border: 1px solid red; padding: 2px; display: inline-block;">Wire Wound</div> Wire Wound <div style="border: 1px solid green; padding: 2px; display: inline-block;">Shield</div> Magnetic Shield <div style="border: 1px solid gray; padding: 2px; display: inline-block;">Ferrite Core</div> Ferrite Core
Series Type	VLF
Status	<div style="border: 1px solid red; padding: 2px; display: inline-block;">⚠</div> Obsolete Recommended Alternate Part No. : VLS3012CX-100M-1 (Interchangeability is not guaranteed.) Discontinue Issue Date : May.18, 2017 Last Purchase Order Date : Mar.29, 2019 Last Shipment Date : Sep.30, 2019
Brand	TDK



Size	
Length(L)	2.80mm Nom.
Width(W)	2.60mm Nom.
Thickness Height	1.20mm Max.
Recommended Land Pattern (A)	0.65mm Nom.
Recommended Land Pattern (B)	2.10mm Nom.
Recommended Land Pattern (C)	1.20mm Nom.

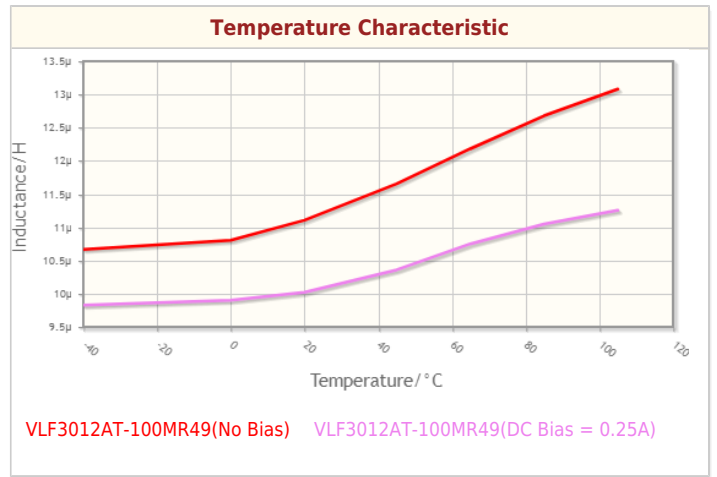
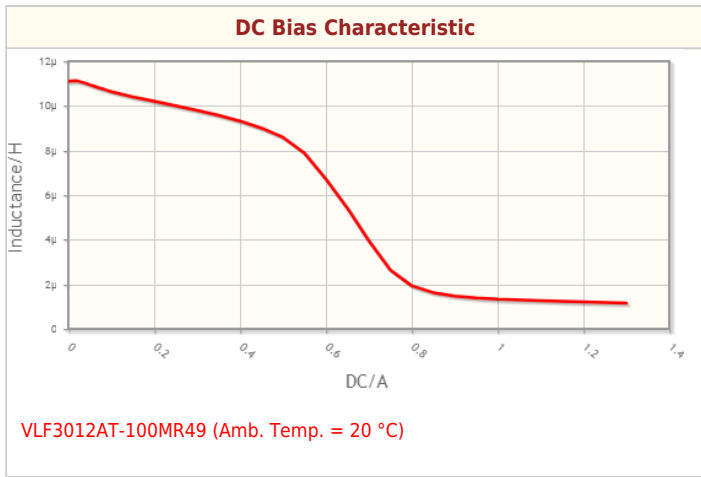
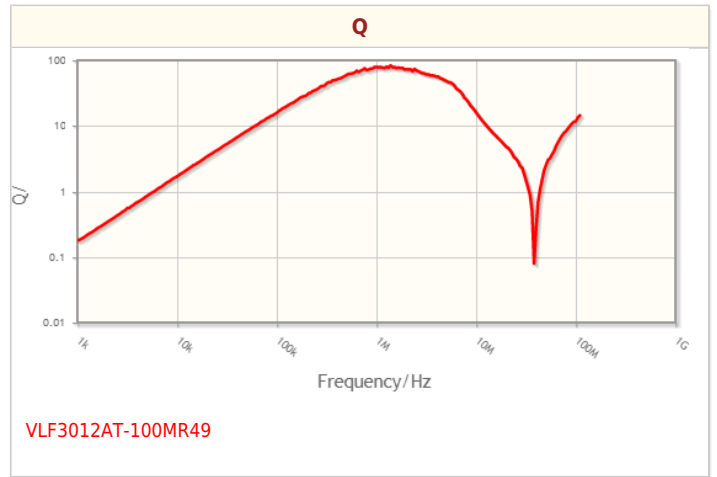
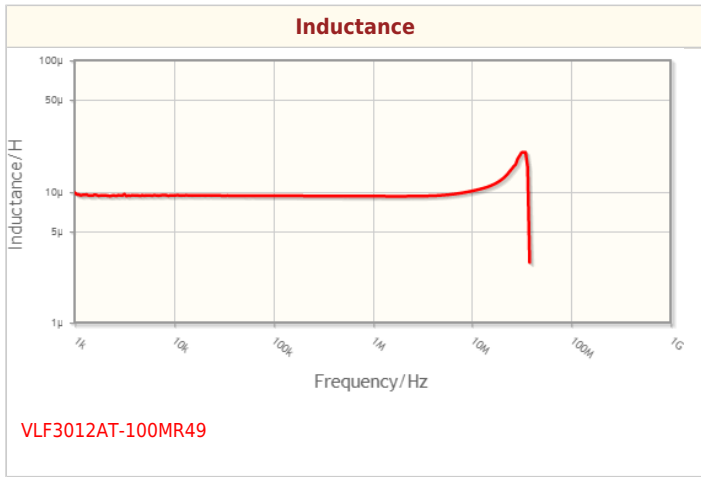
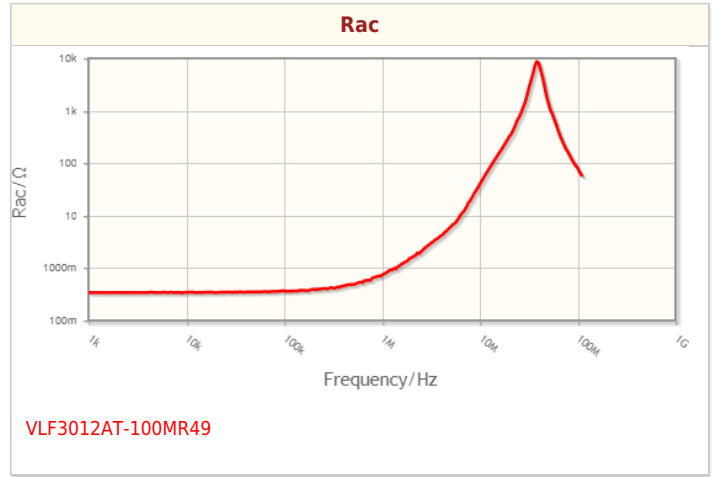
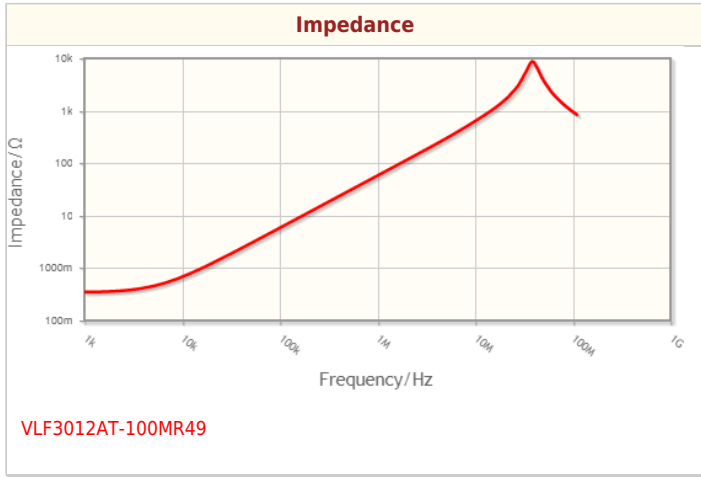
Electrical Characteristics	
Inductance	10μH ±20% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	490mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	670mA (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	360mΩ
DC Resistance [Max.]	410mΩ
Self Resonant 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	Embossed (Plastic)Taping [180mm Reel]

! 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.

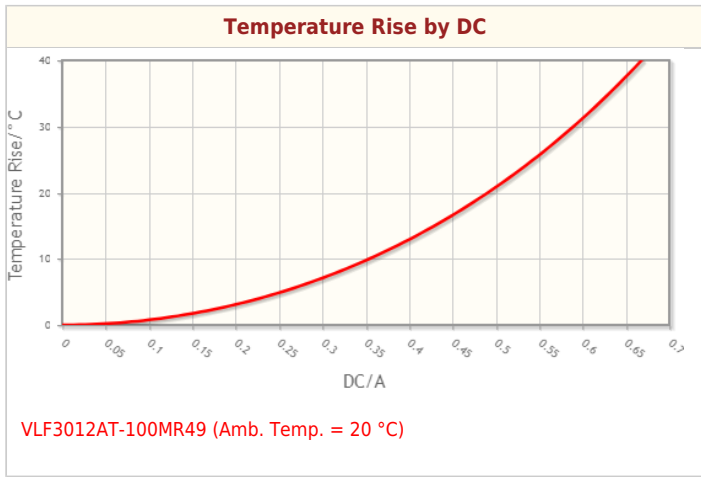
Package Quantity	2000pcs
Weight	0.027g

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



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Associated Images

