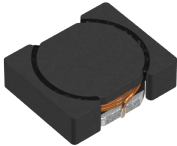


Product Status	Obsolete
	Recommended Alternate Part No. : <a href="#">VLS3012HBX-100M-N</a> (Interchangeability is not guaranteed.)
	Discontinue Issue Date : May.18, 2017
	Last Purchase Order Date : Mar.31, 2021
	Last Shipment Date : Sep.30, 2021
Applications	Commercial Grade
Feature	Wire WoundWire Wound
	ShieldMagnetic Shield
	Ferrite CoreFerrite Core
Series   Type	VLF-M
Brand	TDK
Environmental Compliance	<div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div>



Size	
Length(L)	5.00mm ±0.30mm
Width(W)	4.00mm ±0.30mm
Thickness   Height	1.00mm Max.
Recommended Land Pattern (A)	1.30mm Nom.
Recommended Land Pattern (B)	1.60mm Nom.
Recommended Land Pattern (C)	2.20mm Nom.

Electrical Characteristics	
Inductance	10μH ±20% at 1MHz
Rated Current (L Change) [Typ.]	1A (30% Down)
Rated Current (L Change) [Max.]	900mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	1.21A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	210mΩ
DC Resistance [Max.]	250mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

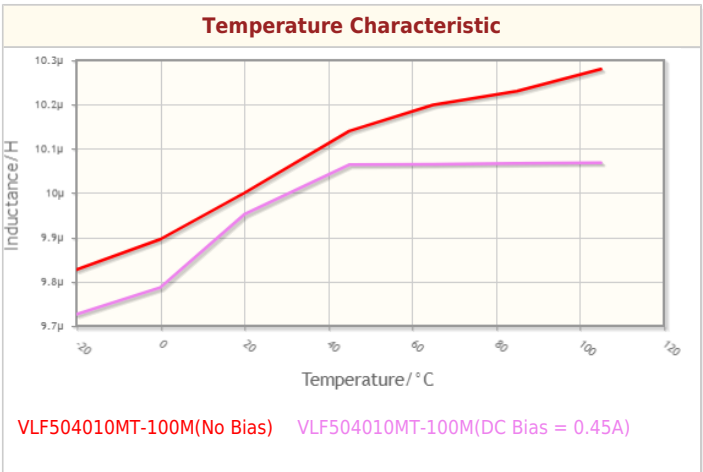
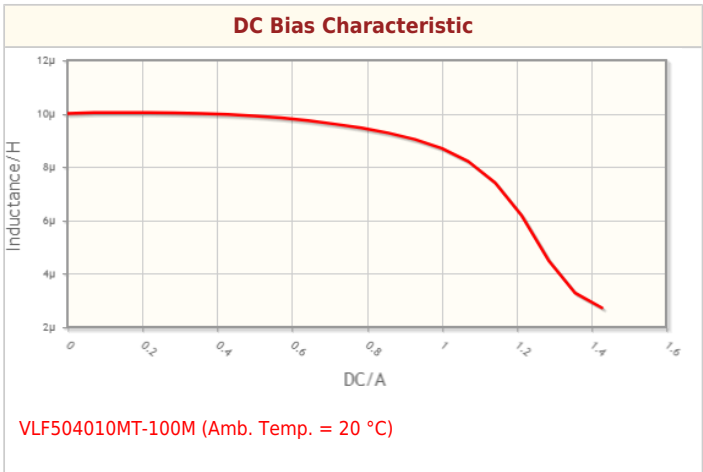
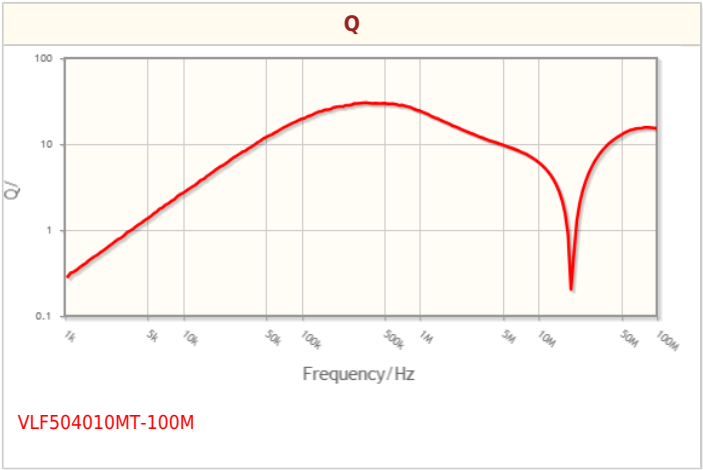
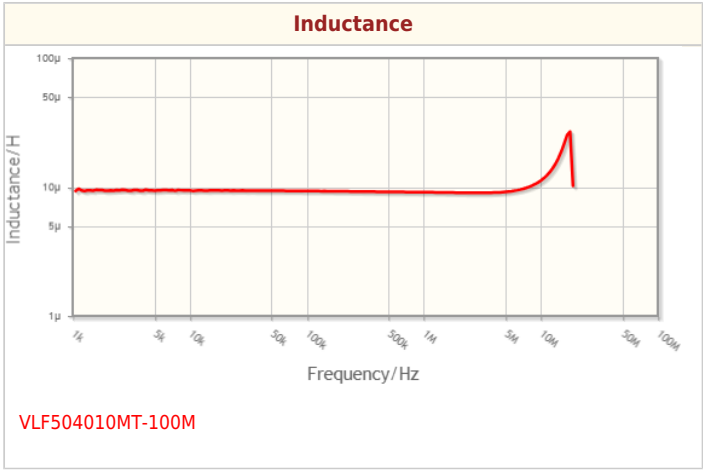
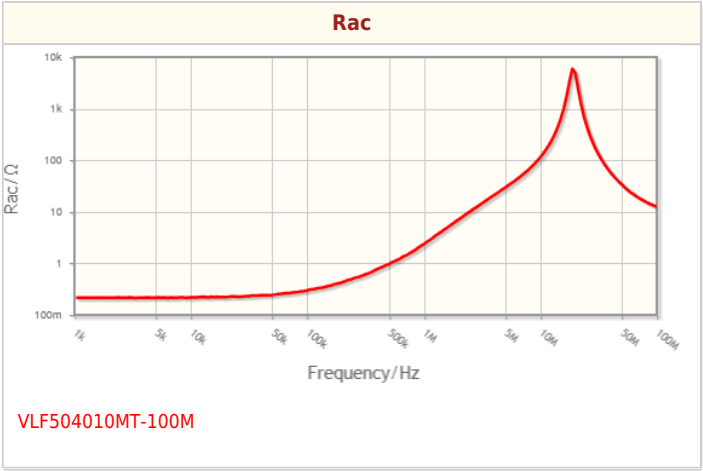
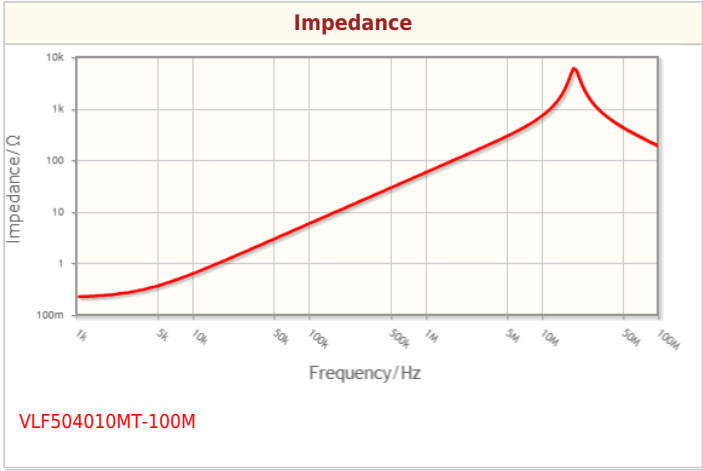
Other	
Operating Temp. Range	-40 to 105°C (Including Self-Temp. Rise)

! 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.

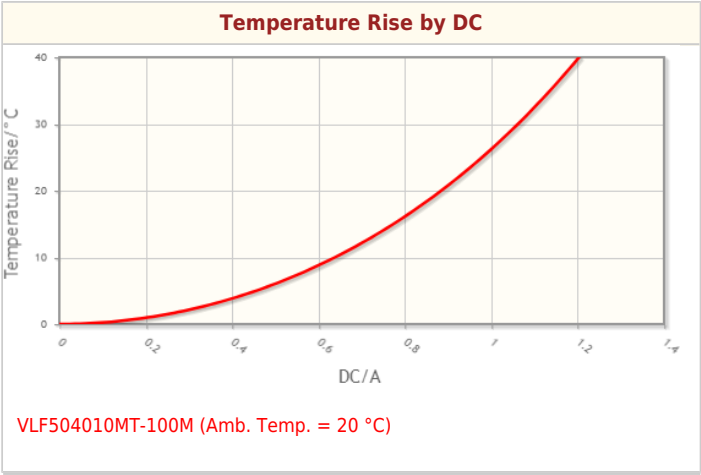
Soldering Method	Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	1000pcs
Weight	0.073g

VLF504010MT-100M

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

