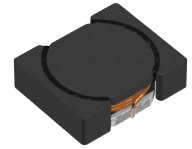


<b>Applications</b>	Automotive Grade
<b>Feature</b>	<div style="border: 1px solid red; padding: 2px; display: inline-block;">Wire Wound</div> Wire Wound <div style="border: 1px solid green; padding: 2px; display: inline-block;">Shield</div> Magnetic Shield <div style="border: 1px solid gray; padding: 2px; display: inline-block;">Ferrite Core</div> Ferrite Core
<b>Series   Type</b>	VLF-M
<b>Status</b>	<div style="border: 1px solid red; padding: 2px; display: inline-block;">⚠</div> Obsolete Recommended Alternate Part No. : <a href="#">VLS5045EX-1R0N-H</a> (Interchangeability is not guaranteed.) Discontinue Issue Date : May.18, 2017 Last Purchase Order Date : Mar.31, 2021 Last Shipment Date : Sep.30, 2021
<b>Brand</b>	TDK



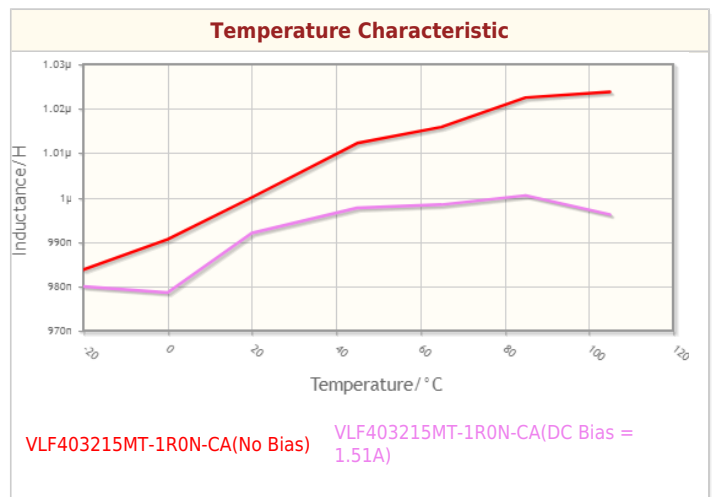
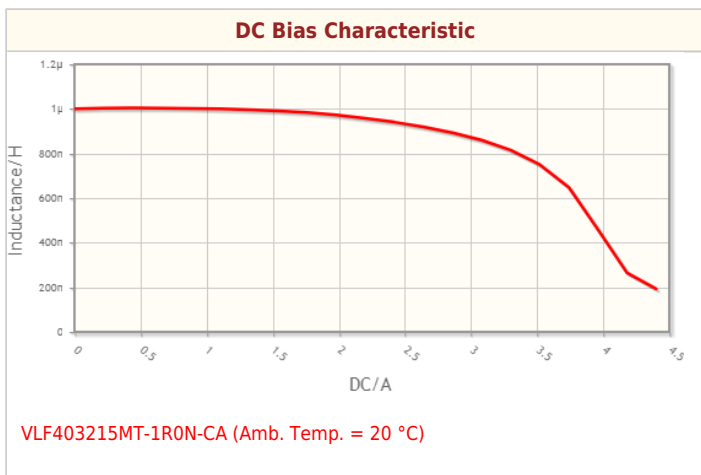
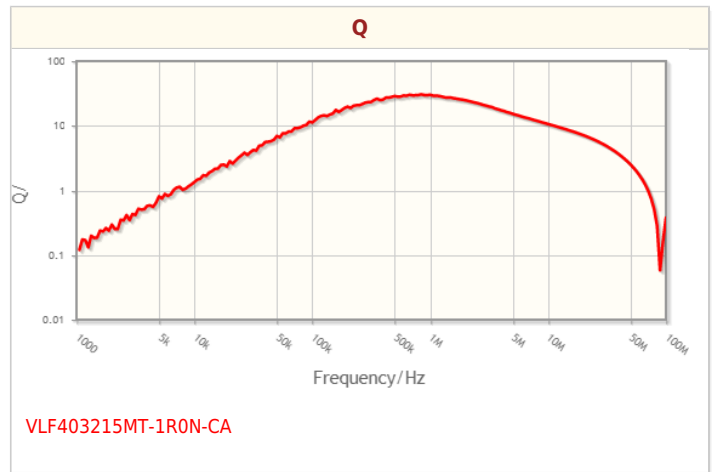
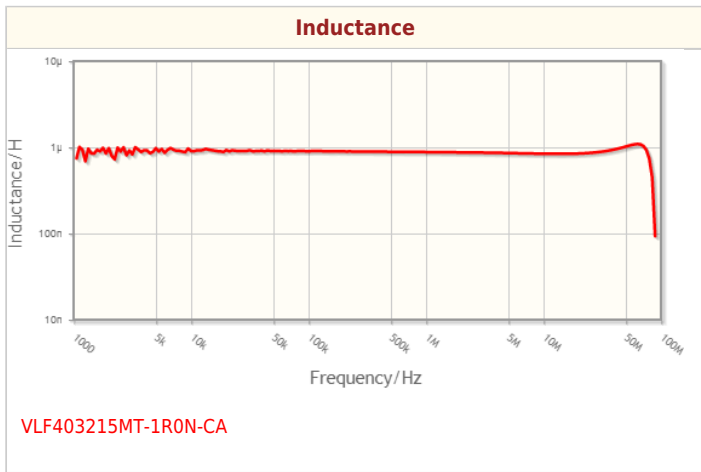
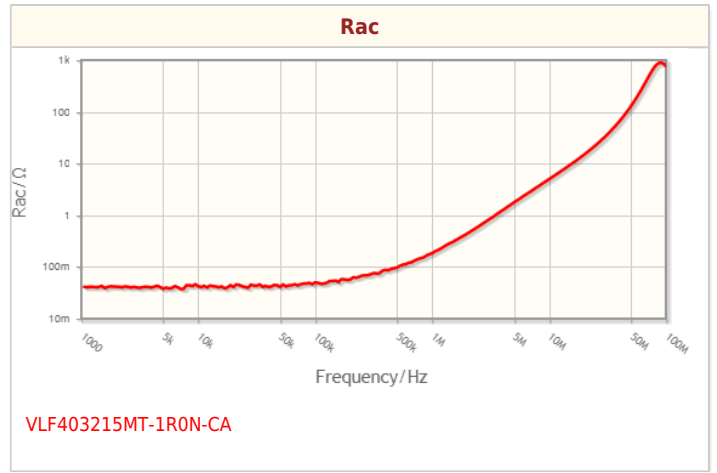
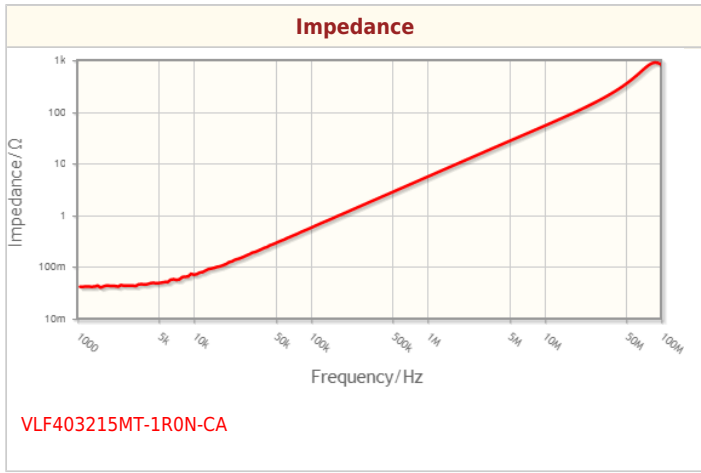
Size	
Length(L)	4.00mm ±0.20mm
Width(W)	3.20mm ±0.20mm
Thickness   Height	1.50mm Max.
Recommended Land Pattern (A)	1.10mm Nom.
Recommended Land Pattern (B)	1.30mm Nom.
Recommended Land Pattern (C)	1.80mm Nom.

Electrical Characteristics	
Inductance	1μH ±30% at 1MHz
Rated Current (L Change) [Typ.]	3.34A (30% Down)
Rated Current (L Change) [Max.]	3.01A (30% Down)
Rated Current (Temperature Rise) [Typ.]	3.56A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	26mΩ
DC Resistance [Max.]	31mΩ
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]
Package Quantity	1000pcs
Weight	0.072g

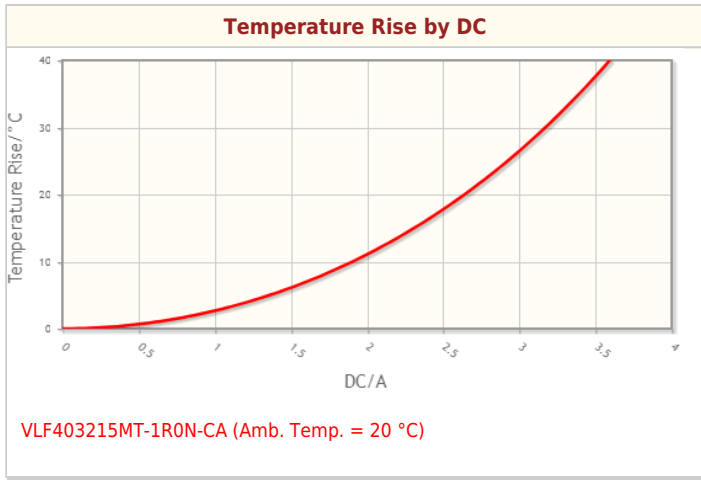
Images are for reference only and show exemplary products.  
 This PDF document was created based on the data listed on the TDK Corporation website.  
 All specifications are subject to change without notice.

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



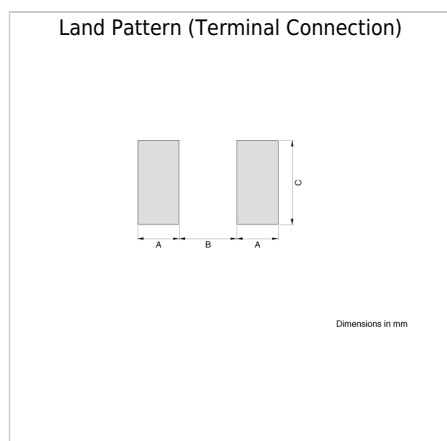
! Images are for reference only and show exemplary products.  
! This PDF document was created based on the data listed on the TDK Corporation website.  
! All specifications are subject to change without notice.

### 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.