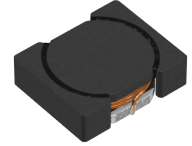


Applications	Automotive Grade
Feature	<div style="border: 1px solid red; padding: 2px; display: inline-block;">Wire Wound</div> Wire Wound <div style="border: 1px solid green; padding: 2px; display: inline-block;">Shield</div> Magnetic Shield <div style="border: 1px solid gray; padding: 2px; display: inline-block;">Ferrite Core</div> Ferrite Core
Series Type	VLF-M
Status	<div style="border: 1px solid red; padding: 2px; display: inline-block;"> Obsolete</div> Recommended Alternate Part No. : VLS5045EX-100M-H (Interchangeability is not guaranteed.) Discontinue Issue Date : May.18, 2017 Last Purchase Order Date : Mar.31, 2021 Last Shipment Date : Sep.30, 2021
Brand	TDK



Size	
Length(L)	2.50mm ±0.20mm
Width(W)	2.00mm ±0.20mm
Thickness Height	1.50mm Max.
Recommended Land Pattern (A)	0.75mm Nom.
Recommended Land Pattern (B)	0.60mm Nom.
Recommended Land Pattern (C)	1.30mm Nom.

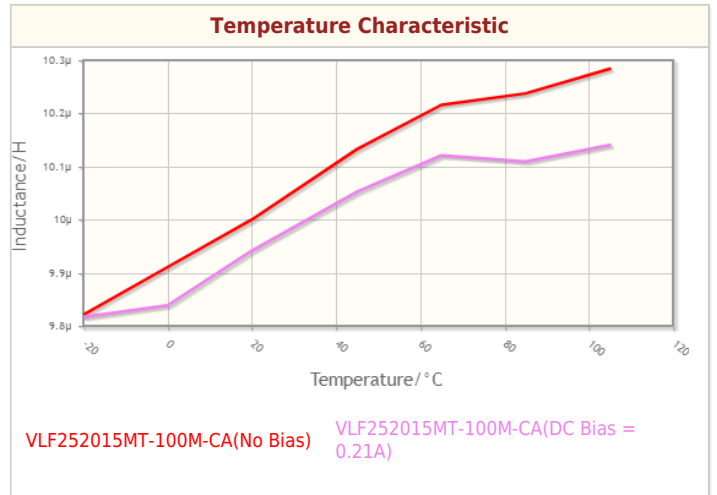
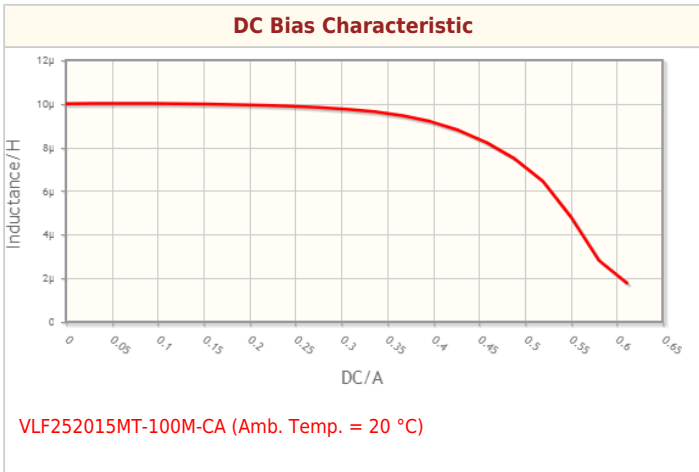
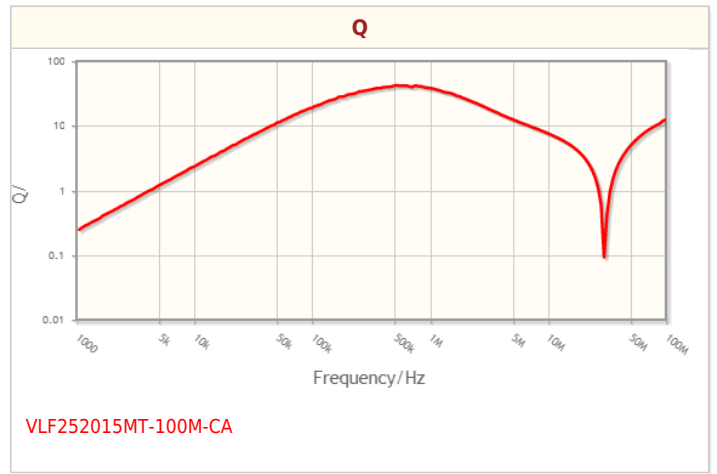
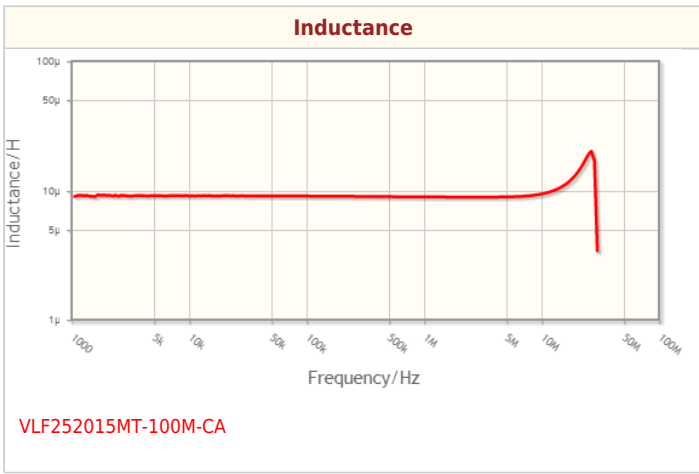
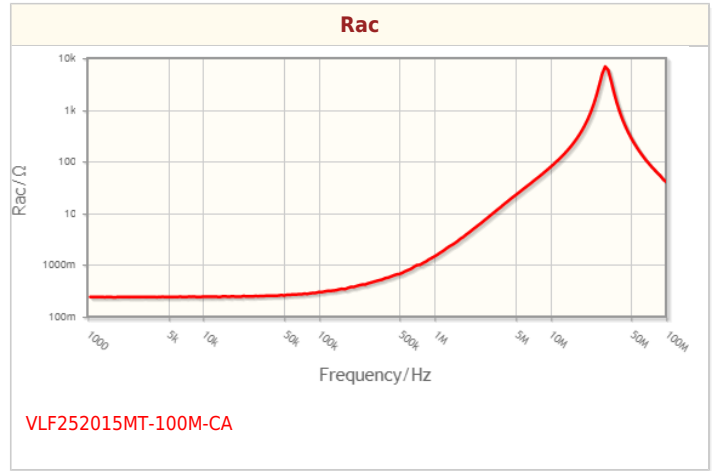
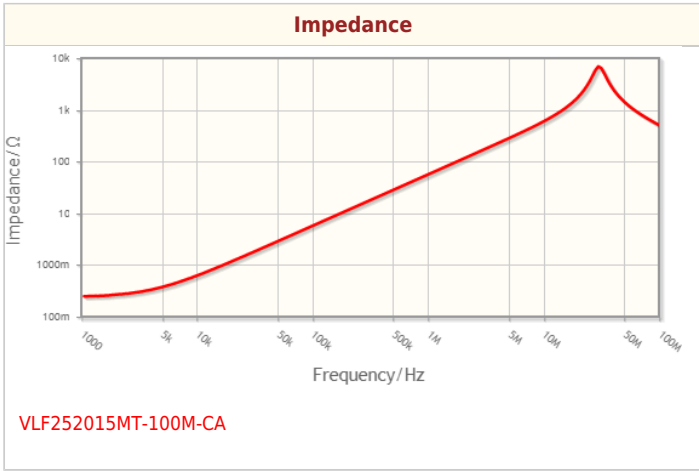
Electrical Characteristics	
Inductance	10µH ±20% at 1MHz
Rated Current (L Change) [Typ.]	470mA (30% Down)
Rated Current (L Change) [Max.]	420mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	940mA (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	240mΩ
DC Resistance [Max.]	280mΩ
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.

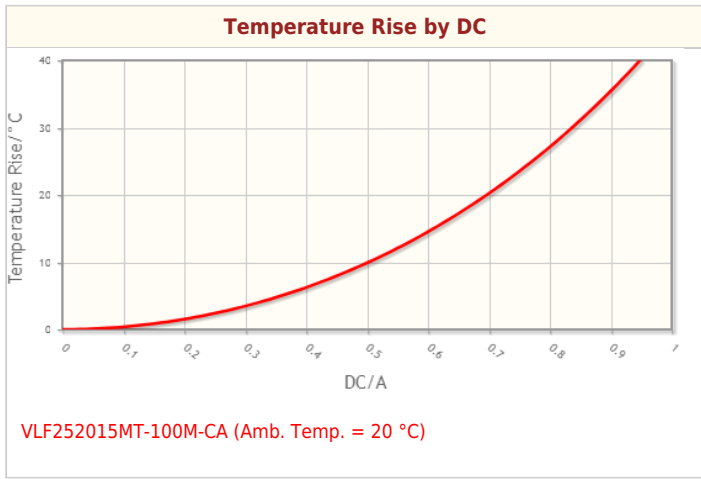
Package Quantity	2000pcs
Weight	0.027g

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



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Associated Images

