

Product Status	Production
Applications	Commercial Grade
Feature	No DirectivityNo Directivity
	Wire WoundWire Wound
	Ferrite CoreFerrite Core
Series Type	VLB
Brand	TDK
Environmental Compliance	<div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div>



Size	
Length(L)	9.80mm ±0.40mm
Width(W)	6.70mm ±0.30mm
Thickness Height	4.80mm ±0.20mm
Recommended Land Pattern (A)	2.00mm Nom.
Recommended Land Pattern (B)	6.40mm Nom.
Recommended Land Pattern (C)	3.00mm Nom.

Electrical Characteristics	
Inductance	120nH ±20% at 1MHz
Rated Current (L Change) [Typ.]	68A (20% Down)
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	31A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	350μΩ
DC Resistance [Max.]	371μΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

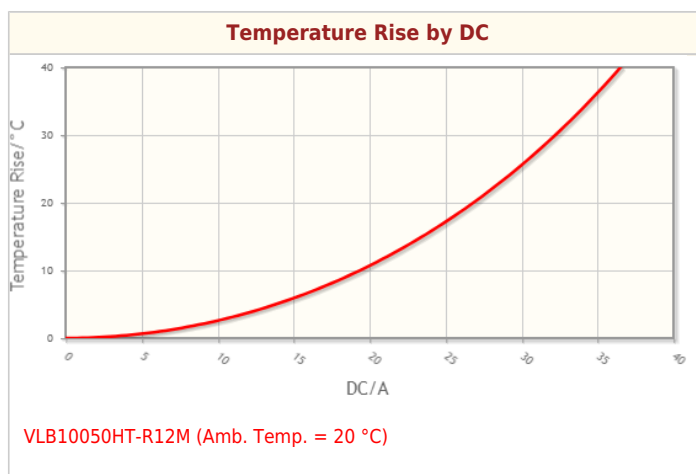
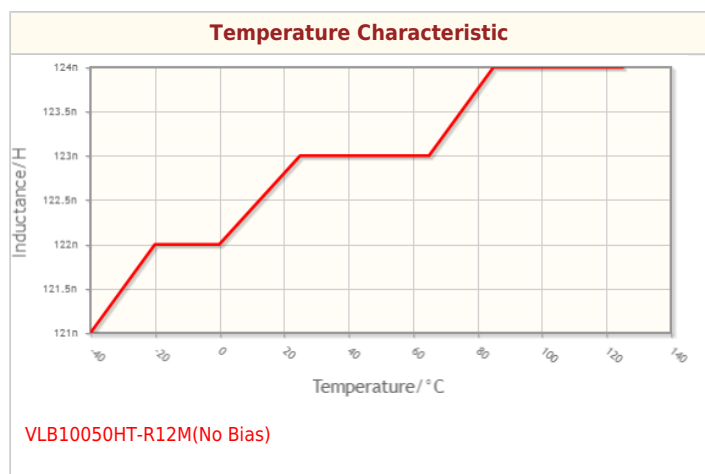
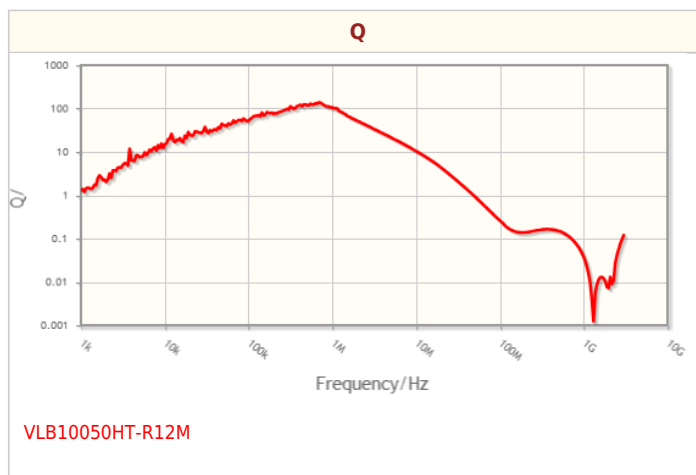
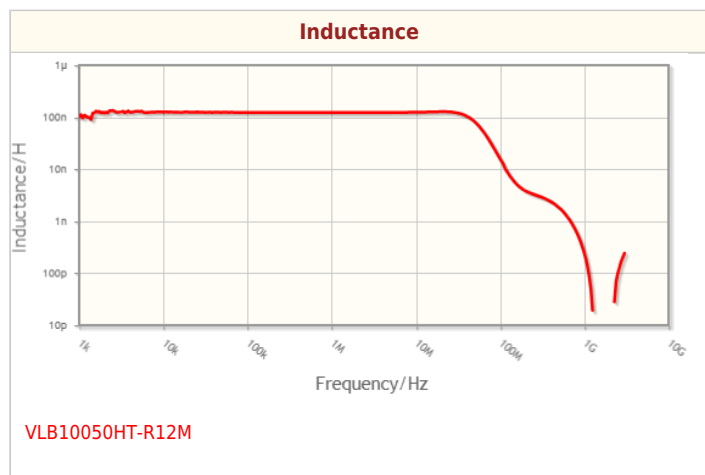
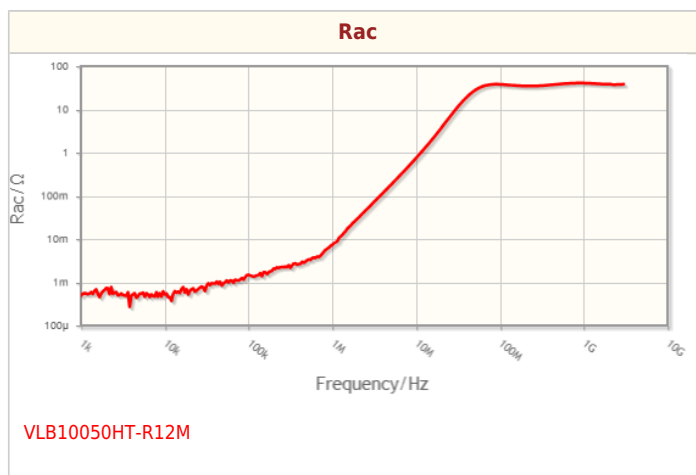
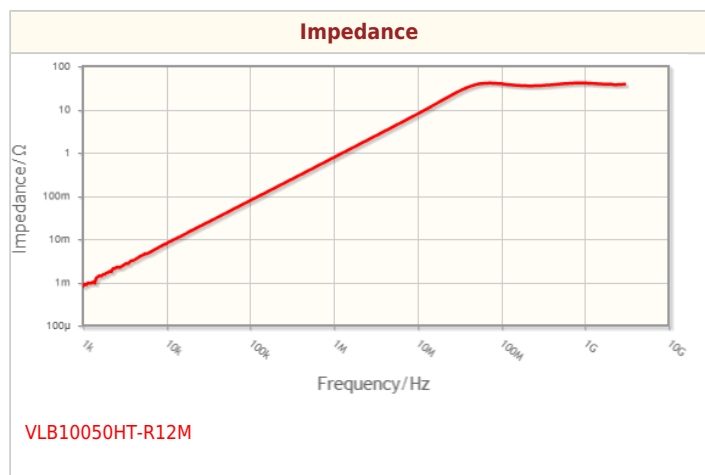
Other	
Operating Temp. Range	-40 to 125°C (Including Self-Temp. Rise)
Soldering Method	Reflow
	Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [330mm Reel]

! 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	500pcs
Weight	1.4g

VLB10050HT-R12M

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



Associated Images

