




Product Status	EOL Announced
	Recommended Alternate Part No. : <a href="#">SPM10054T-1R5M-HZR</a> (Interchangeability is not guaranteed.)
	Discontinue Issue Date : May.14, 2024
	Last Purchase Order Date : Mar.31, 2026
	Last Shipment Date : Dec.31, 2026
Applications	Commercial Grade
Feature	Wire WoundWire Wound
	ShieldMagnetic Shield
	Ferrite CoreFerrite Core
Series   Type	VLM
Brand	TDK
Environmental Compliance	<div><div>RoHS</div><div>REACH</div><div>Lead Free</div></div>



Size	
Length(L)	10.50mm Max.
Width(W)	10.60mm ±0.20mm
Thickness   Height	5.40mm ±0.20mm
Recommended Land Pattern (A)	2.60mm Nom.
Recommended Land Pattern (B)	3.40mm Nom.
Recommended Land Pattern (C)	3.00mm Nom.
Recommended Land Pattern (D)	6.10mm Nom.
Recommended Land Pattern (E)	1.90mm Nom.
Recommended Land Pattern (F)	1.80mm Nom.

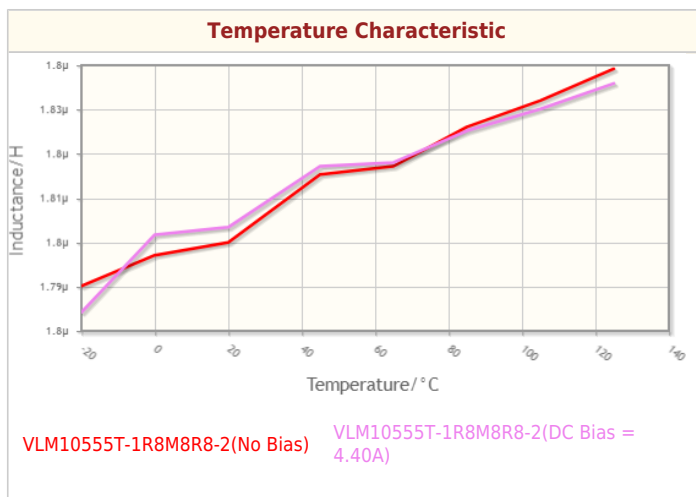
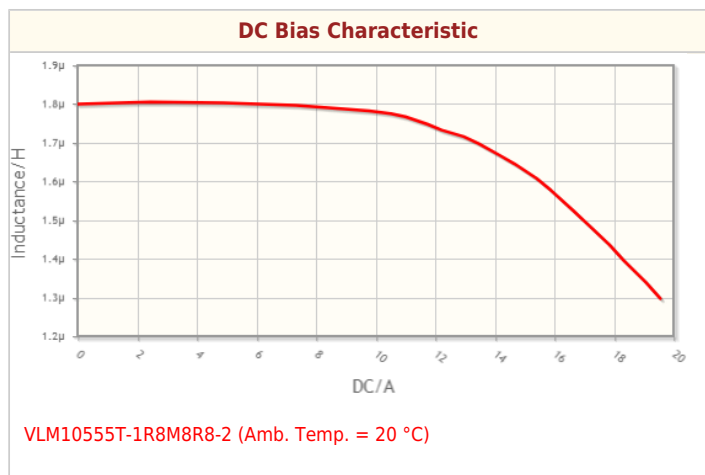
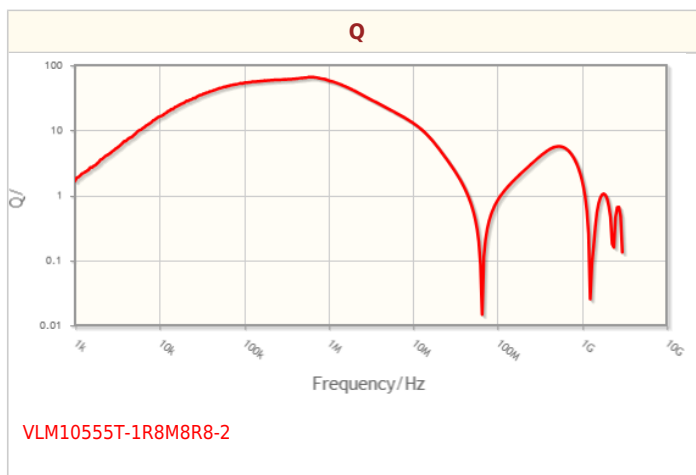
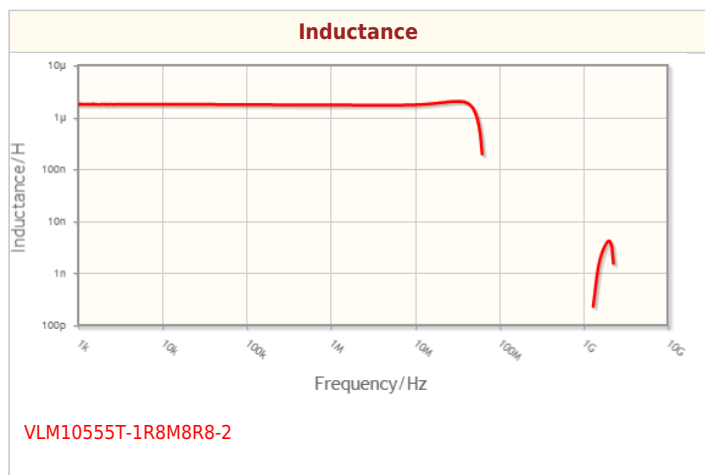
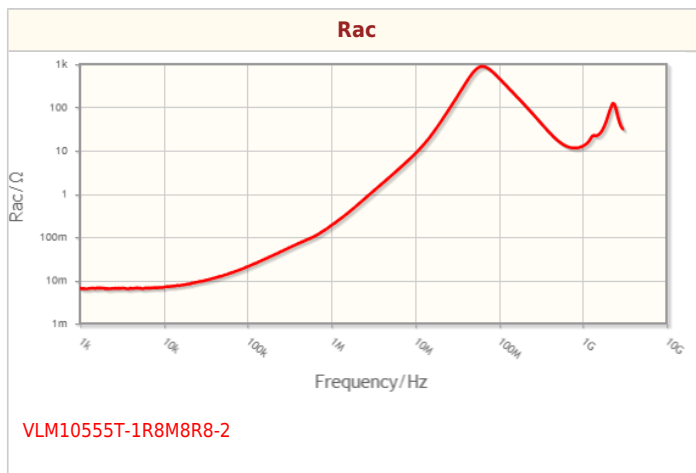
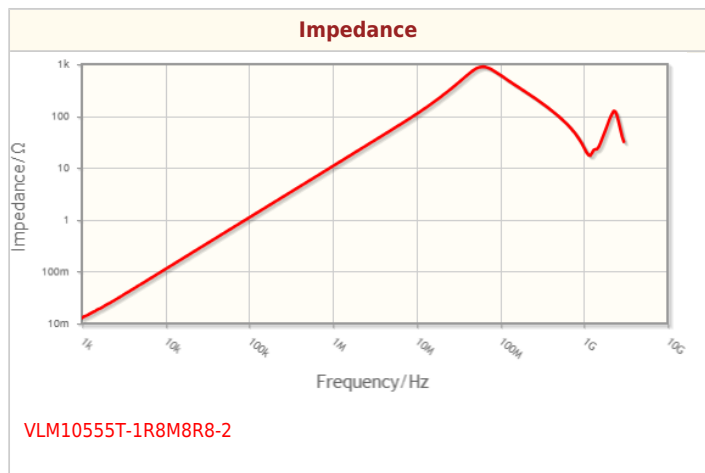
Electrical Characteristics	
Inductance	1.8μH ±20% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	18A (25% Down)
Rated Current (Temperature Rise) [Typ.]	8.8A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	5.6mΩ
DC Resistance [Max.]	6.44mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

! 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.

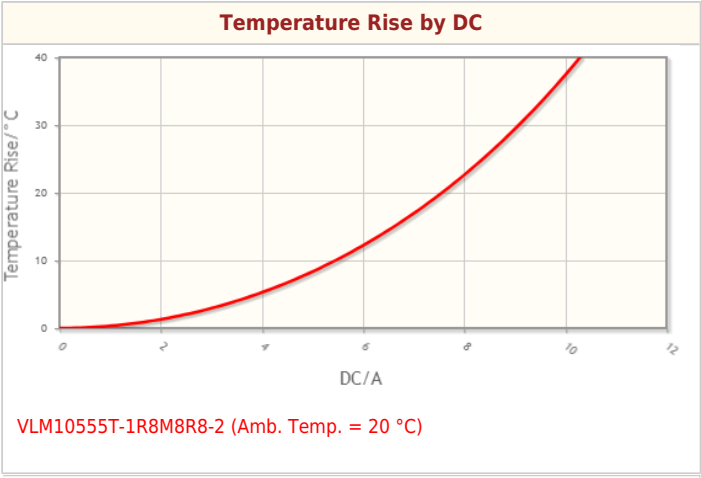
Other	
Operating Temp. Range	-40 to 125°C (Including Self-Temp. Rise)
Soldering Method	Reflow
	Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [330mm Reel]
Package Quantity	500pcs
Weight	1.7g

# VLM10555T-1R8M8R8-2

## 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

