

VLM10555T-1R2M100-3

**EOL Announced**

Recommended Alternate Part No. : [SPM10054T-1R0M-HZR](#) (Interchangeability is not guaranteed.)

**Product Status**

Discontinue Issue Date : May.14, 2024  
Last Purchase Order Date : Mar.31, 2026  
Last Shipment Date : Dec.31, 2026

**Applications**

Commercial Grade

**Feature**

**Wire Wound** Wire Wound  
**Shield** Magnetic Shield  
Ferrite Core Ferrite Core

**Series | Type**

VLM

**Brand**

TDK

**Environmental Compliance**



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	1.2µH ±20% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	18A (25% Down)
Rated Current (Temperature Rise) [Typ.]	10A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	2.7mΩ
DC Resistance [Max.]	3.2mΩ
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.  
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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

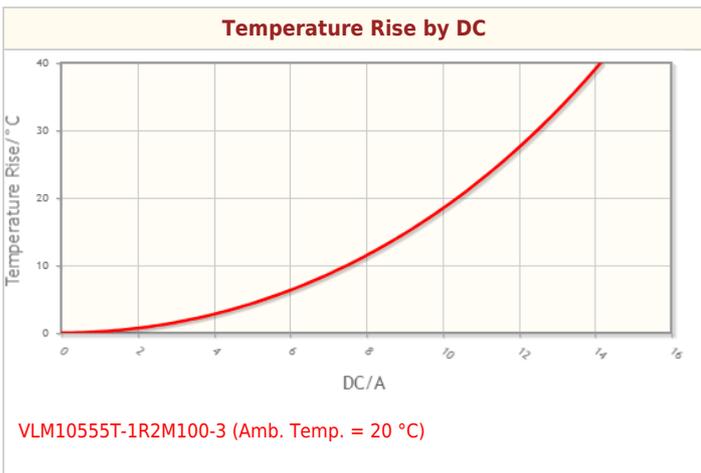
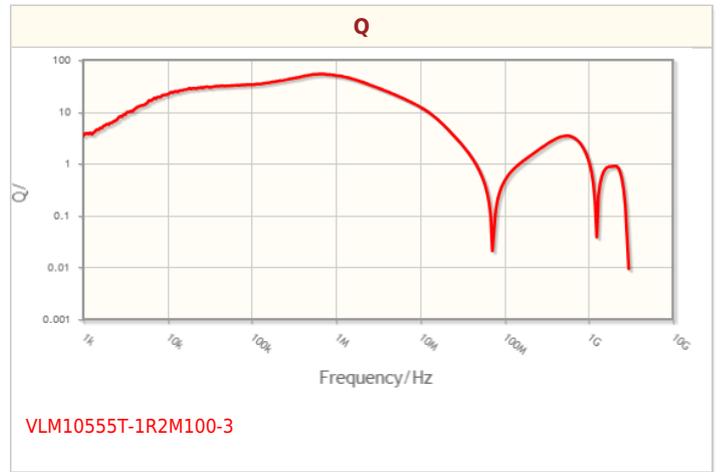
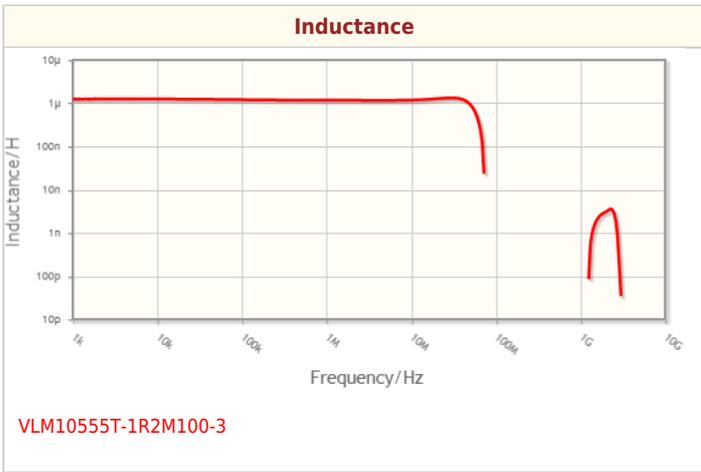
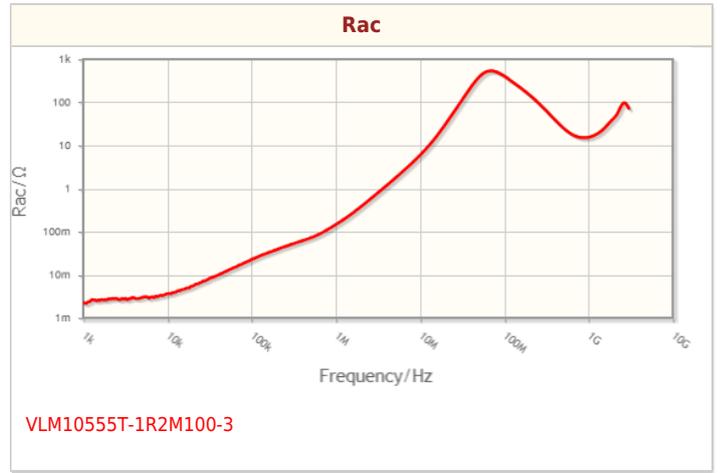
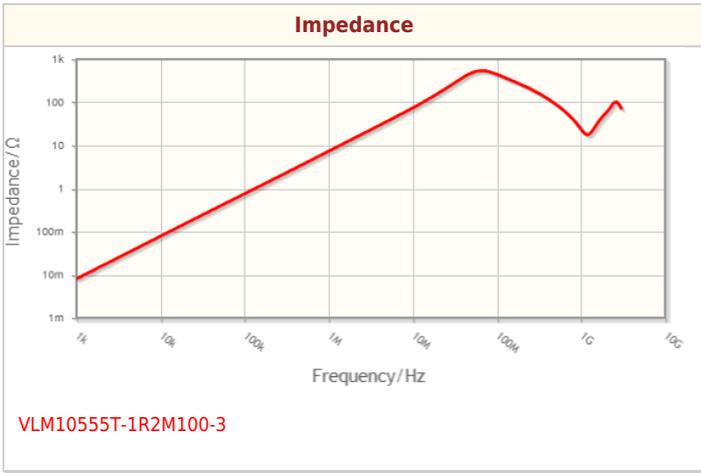
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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



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## Associated Images

