

## VLM10555T-1R8M8R8-2

## EOL Announced

Recommended Alternate Part No. : [SPM10054T-1R5M-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

Wire Wound

Wire Wound

## Feature

Shield

Magnetic Shield

Ferrite Core

Ferrite Core

## Series | Type

VLM

## Brand

TDK

## Environmental



RoHS



REACH



Lead Free

## Compliance



## Size

Length(L)	10.50mm Max.
Width(W)	10.60mm $\pm 0.20$ mm
Thickness   Height	5.40mm $\pm 0.20$ mm
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	1.8 $\mu$ H $\pm 20\%$ 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.]	5.6m $\Omega$
DC Resistance [Max.]	6.44m $\Omega$
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

! Images are for reference only and show exemplary products.

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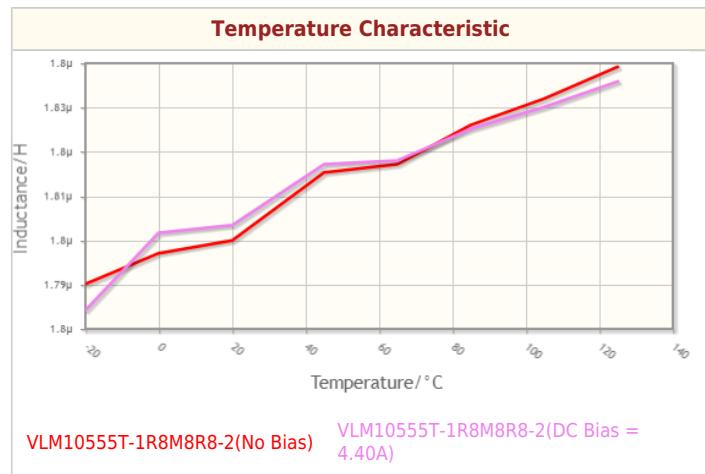
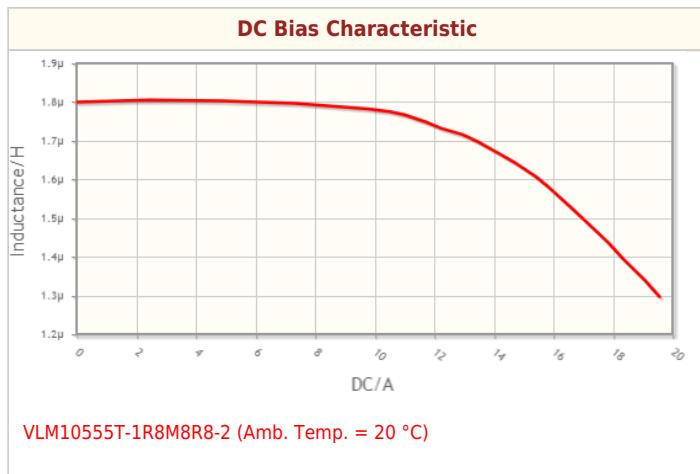
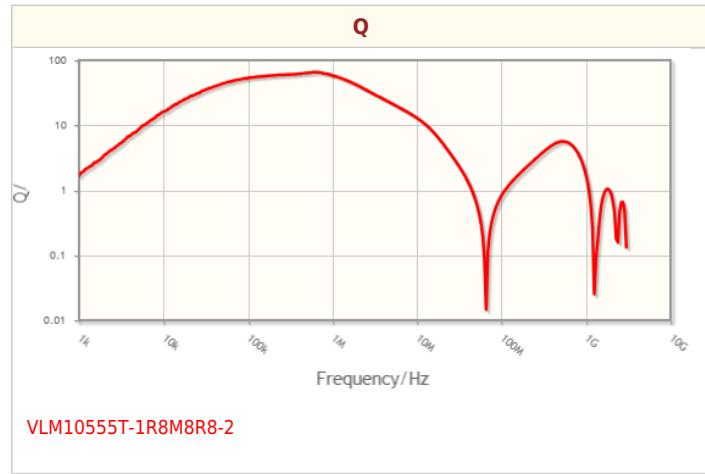
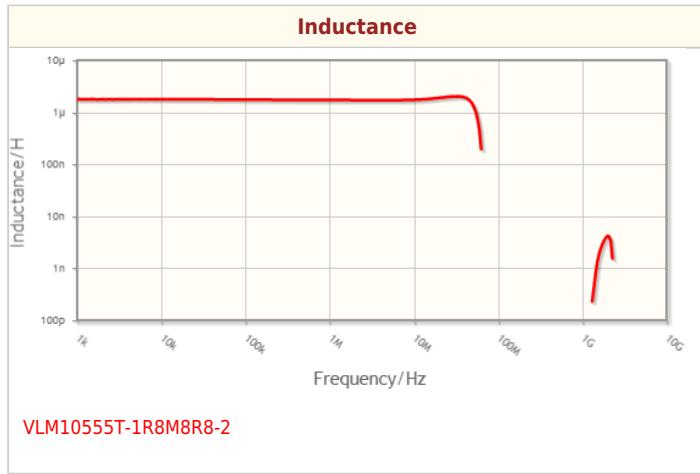
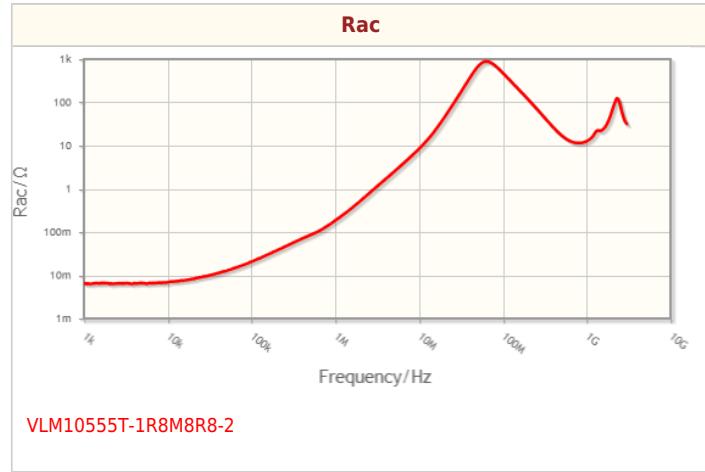
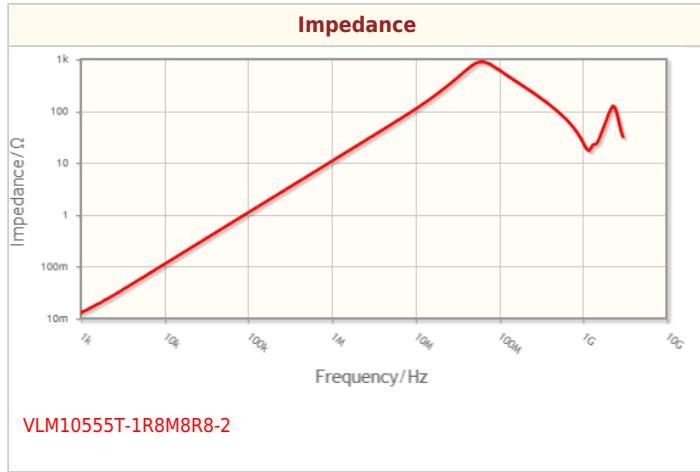
## Other

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.)



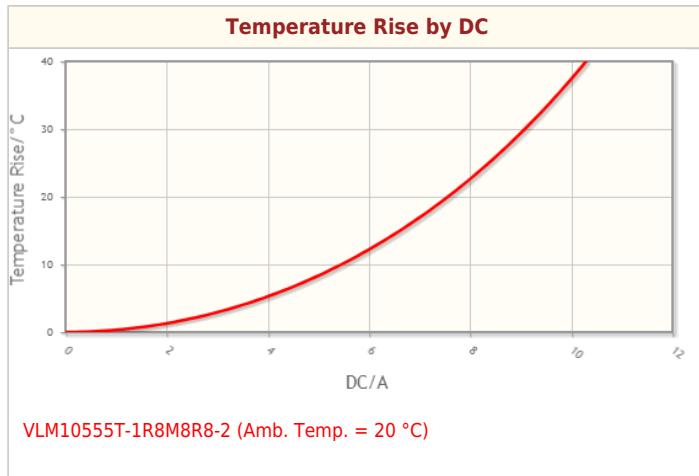
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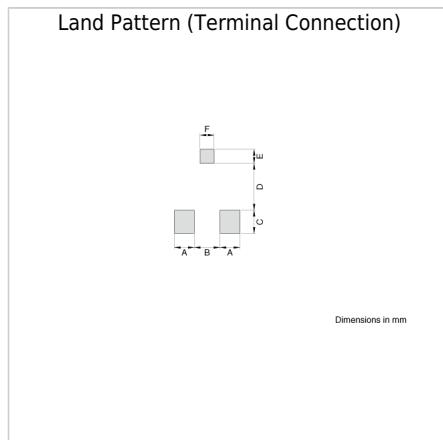
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## Associated Images



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