

VLM10555T-R45M110-3

EOL Announced

Recommended Alternate Part No. : [SPM10054T-R47M-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 ± 0.20 mm
Thickness Height	5.40mm ± 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	450nH $\pm 20\%$ at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	40A (25% Down)
Rated Current (Temperature Rise) [Typ.]	11A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	2.2m Ω
DC Resistance [Max.]	2.6m Ω
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)
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Soldering Method	Reflow
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	Iron Soldering
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AEC-Q200	NO
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Packing	Embossed (Plastic)Taping [330mm Reel]
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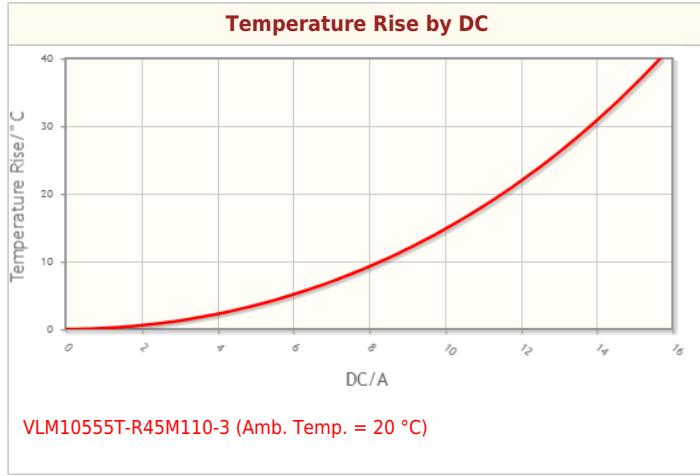
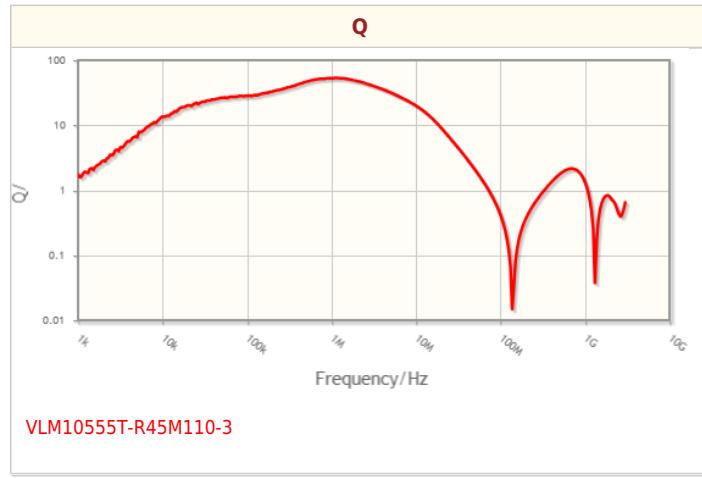
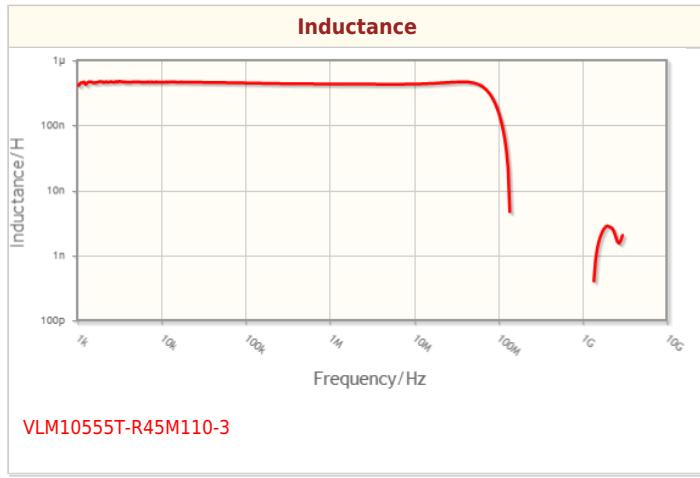
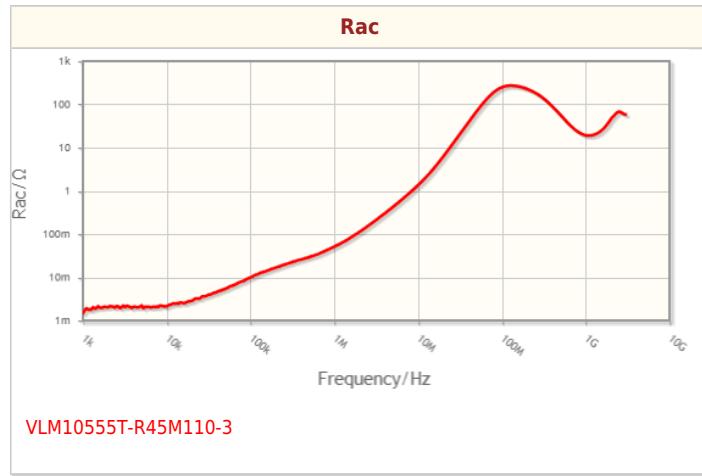
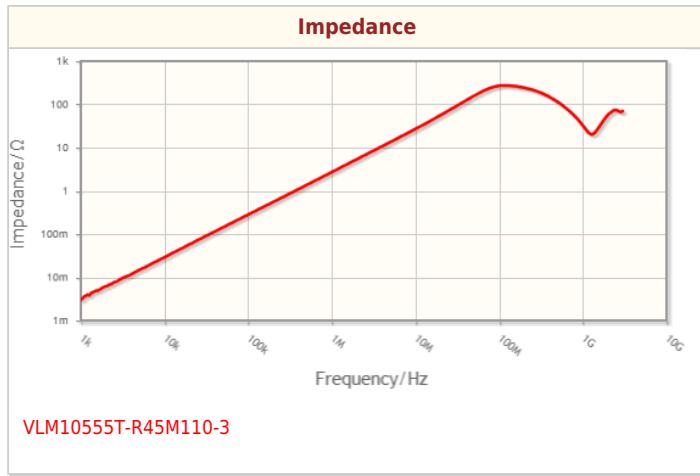
Package Quantity	500pcs
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Weight	1.7g
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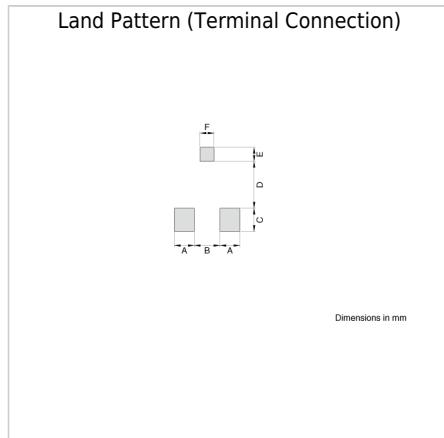
Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)



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Associated Images



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