




| | |
|--------------------------|---|
| Product Status | EOL Announced |
| | Recommended Alternate Part No. : SPM10054T-R47M-HZR (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. |

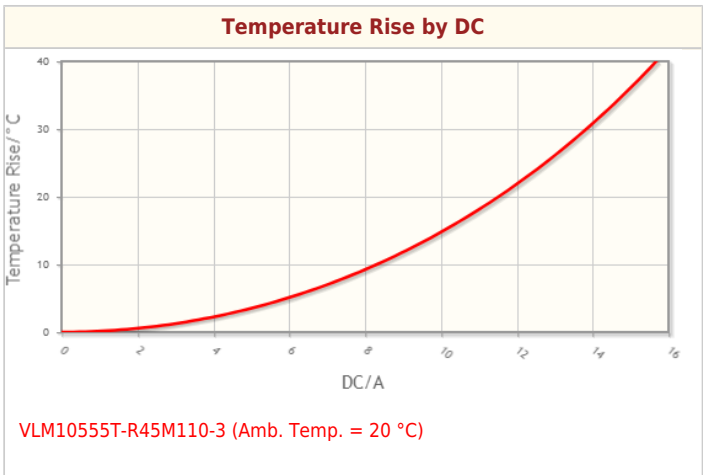
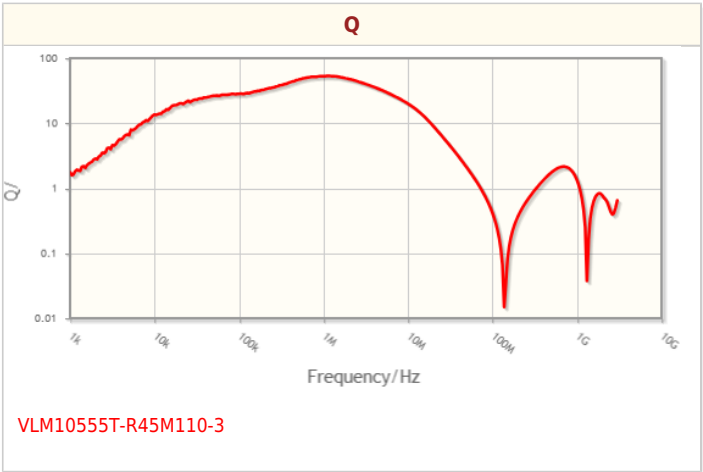
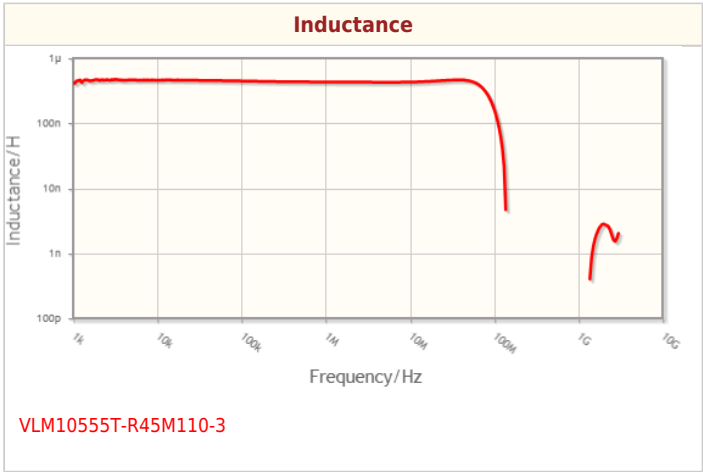
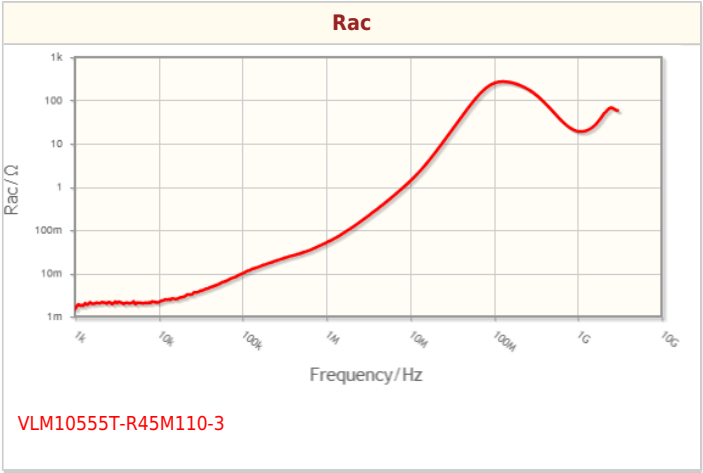
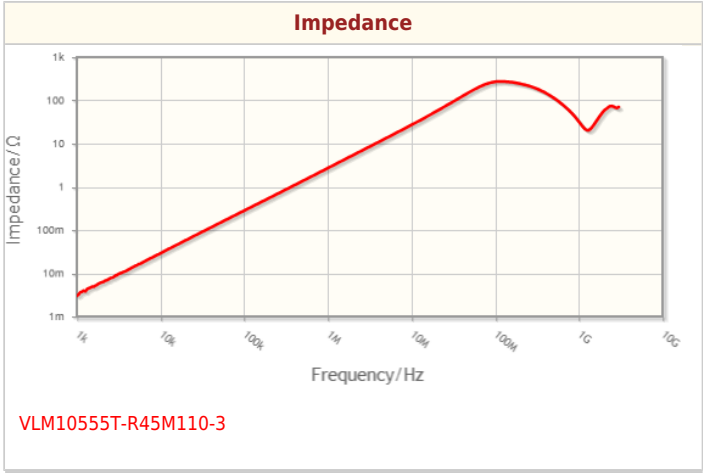
| Electrical Characteristics | |
|---|----------------------|
| Inductance | 450nH ±20% at 100kHz |
| Rated Current (L Change) [Typ.] | |
| Rated Current (L Change) [Max.] | 40A (25% Down) |
| Rated Current (Temperature Rise) [Typ.] | 11A (40°C Rise) |
| Rated Current (Temperature Rise) [Max.] | |
| DC Resistance [Typ.] | 2.2mΩ |
| DC Resistance [Max.] | 2.6mΩ |
| 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-R45M110-3

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



Associated Images

