

## Inductors (Coils)

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# VLM10555T-R56M120-3



**Applications** Commercial Grade

- Feature**
- Shield Magnetic Shield
  - Wire Wound Wire Wound
  - Ferrite Core Ferrite Core

**Series | Type** VLM

**Status** Production

**Brand** TDK



Images are for reference only and show exemplary products.

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### 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	560nH ±20% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	34A (25% Down)
Rated Current (Temperature Rise) [Typ.]	12A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	2.1mΩ
DC Resistance [Max.]	2.5mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

### Other

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

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

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