

VLCF5020T-100MR87

**Applications**

Commercial Grade

Wire Wound

Magnetic Shield

Ferrite Core

Series | Type

VLCF

Status

Production

Brand

TDK

**Size**

Length(L)	5.00mm ± 0.20 mm
Width(W)	5.00mm ± 0.20 mm
Thickness Height	2.00mm Max.
Recommended Land Pattern (A)	2.10mm Nom.
Recommended Land Pattern (B)	1.30mm Nom.
Recommended Land Pattern (C)	3.00mm Nom.
Recommended Land Pattern (D)	4.90mm Nom.

Electrical Characteristics

Inductance	10 μ H $\pm 20\%$ at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	870mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	1.56A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	151m Ω
DC Resistance [Max.]	182m Ω
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other

Operating Temp. Range	-40 to 105°C (Including Self-Temp. Rise)
Soldering Method	Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	500pcs
Weight	0.18g

! Images are for reference only and show exemplary products.

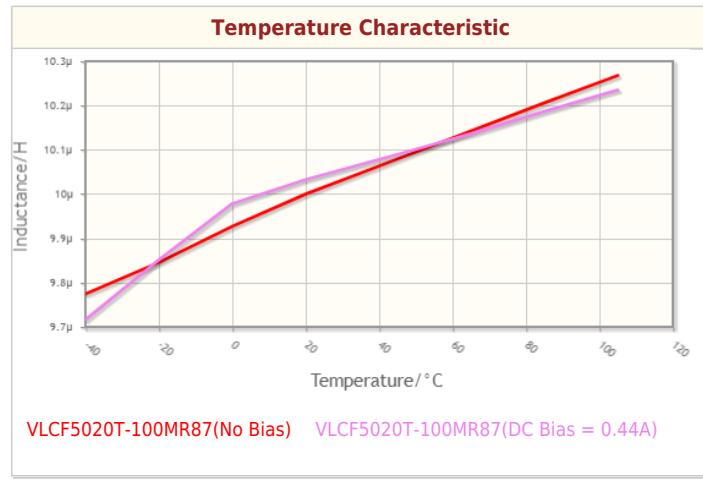
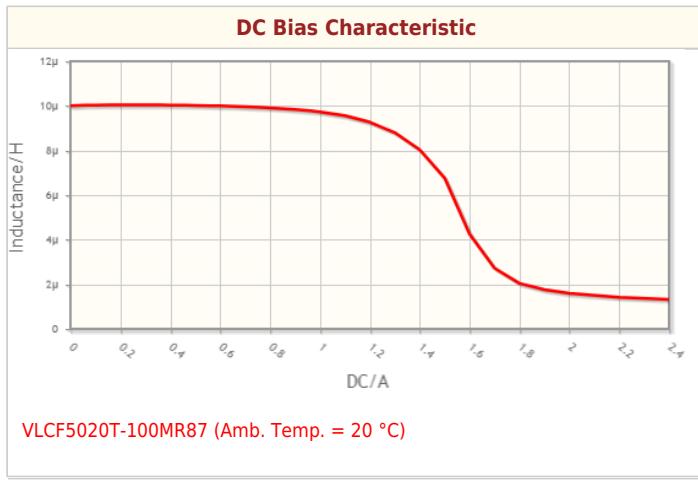
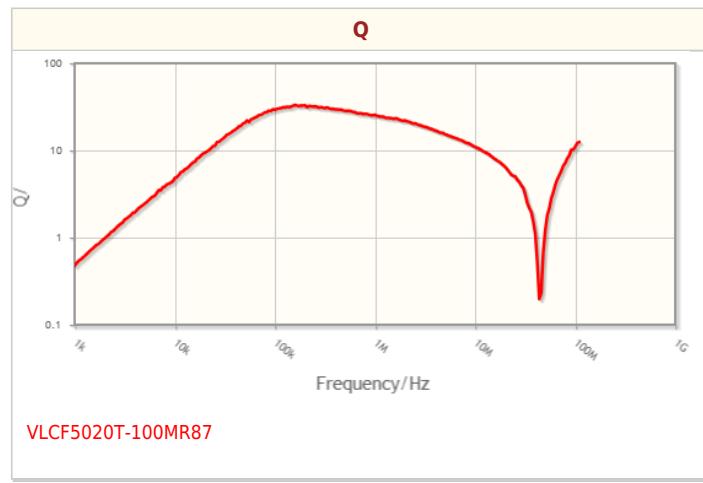
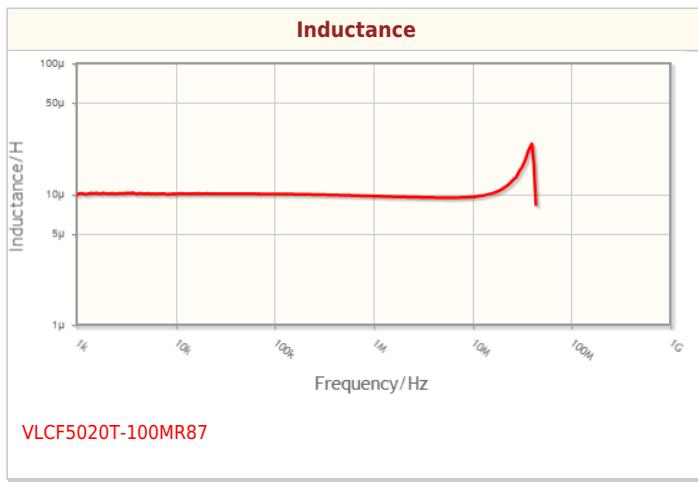
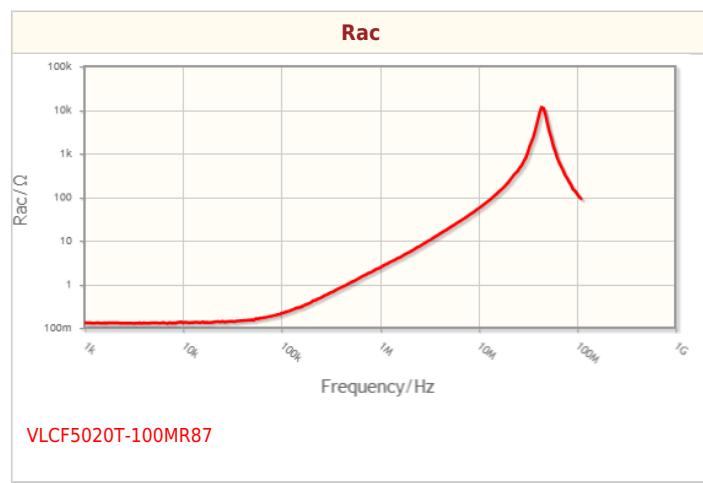
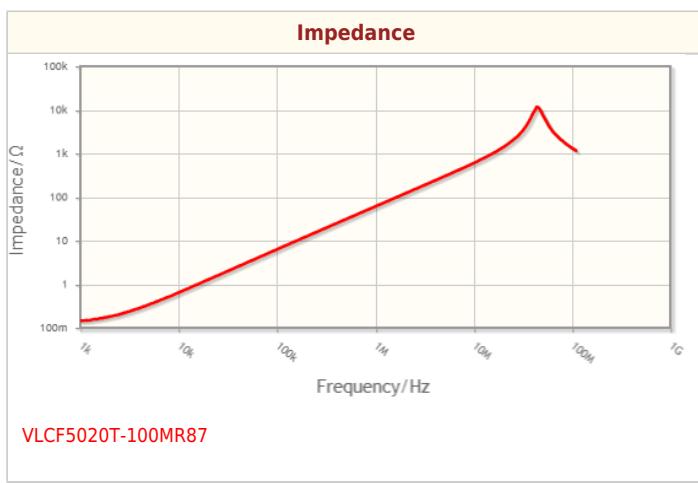
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Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)



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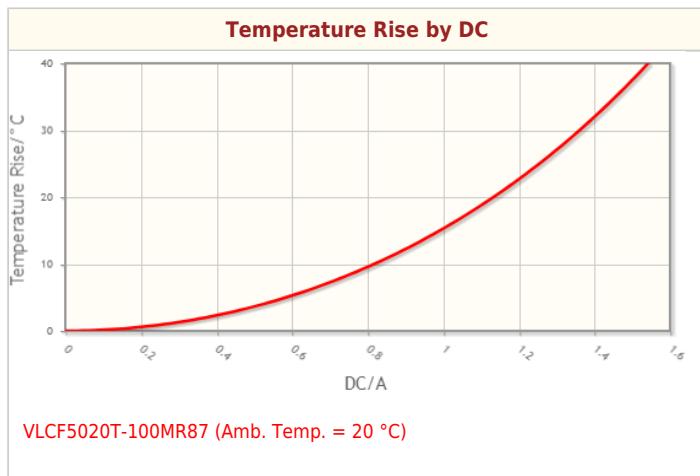
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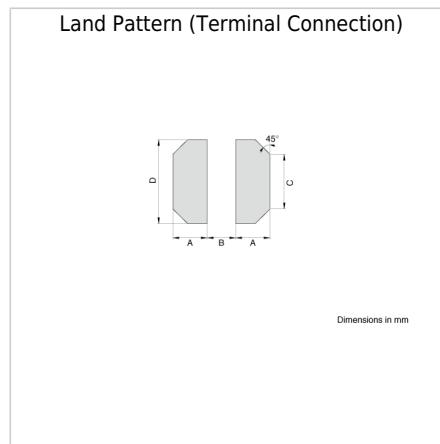
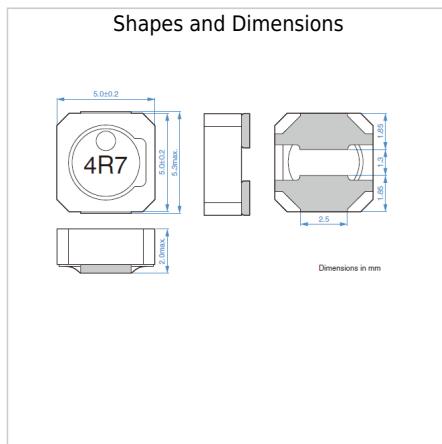


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Associated Images



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