

VLCF5028T-680MR40-2

**Applications**

Commercial Grade

Wire Wound

Magnetic Shield

Ferrite Core

**Series | Type**

VLCF

**Status**

Production

**Brand**

TDK

**Size**

Length(L)	5.00mm $\pm 0.20$ mm
Width(W)	5.00mm $\pm 0.20$ mm
Thickness   Height	2.80mm 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	68 $\mu$ H $\pm 20\%$ at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	400mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	930mA (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	400m $\Omega$
DC Resistance [Max.]	460m $\Omega$
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	0.258g

! Images are for reference only and show exemplary products.

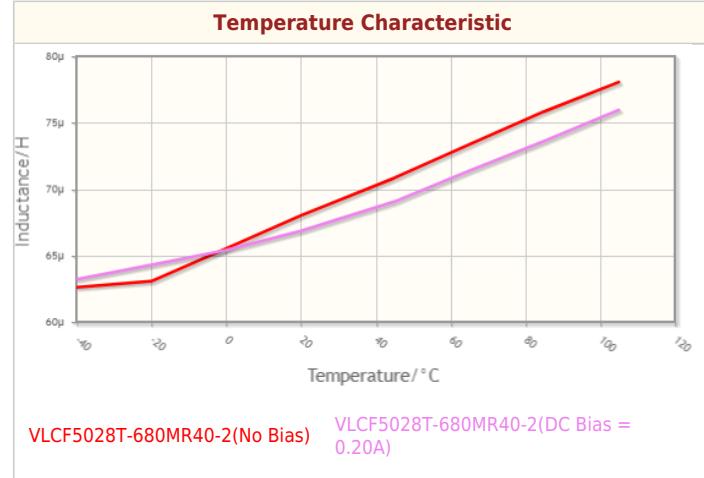
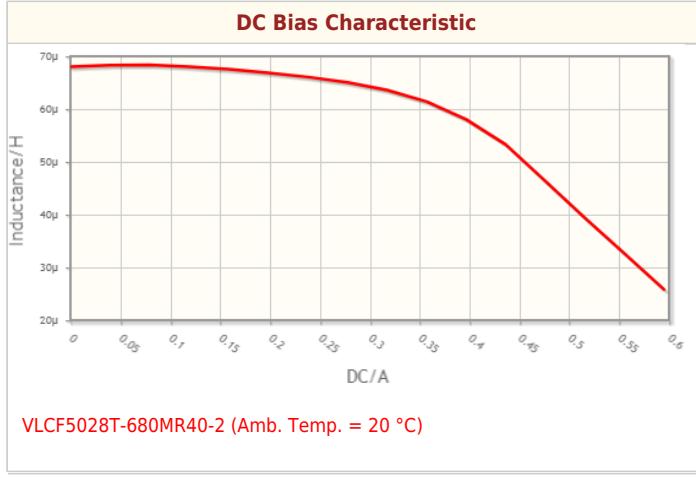
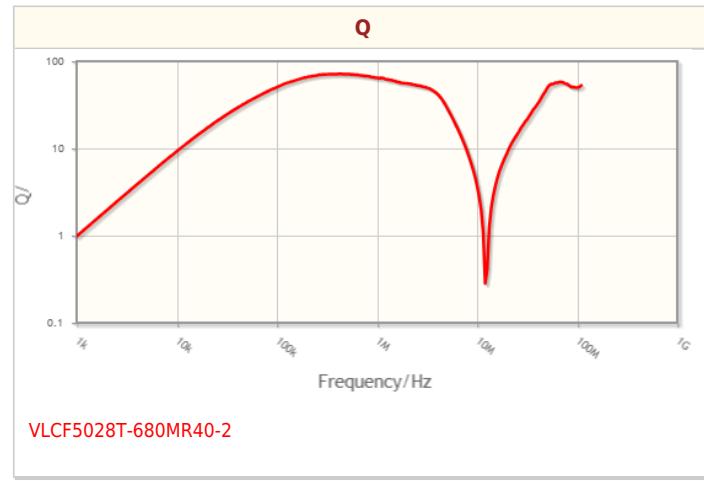
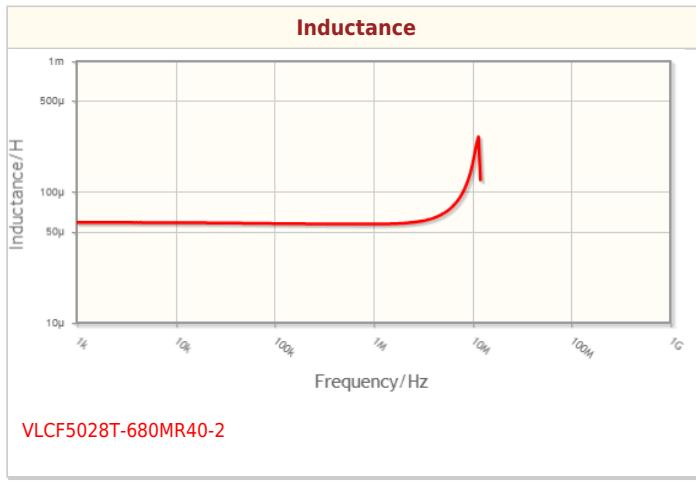
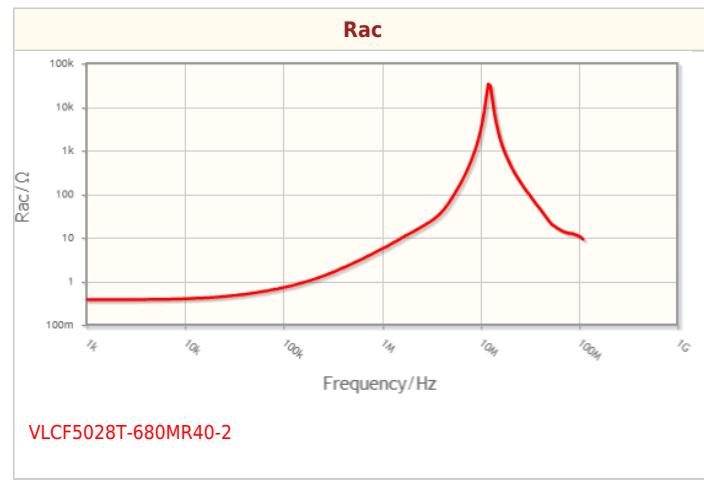
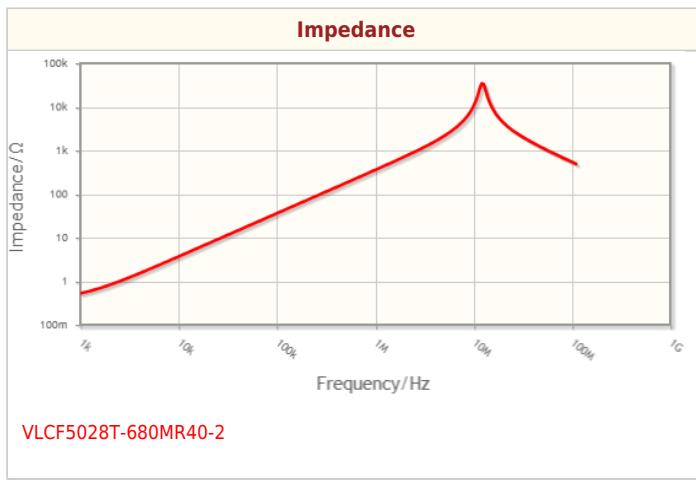
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## Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)



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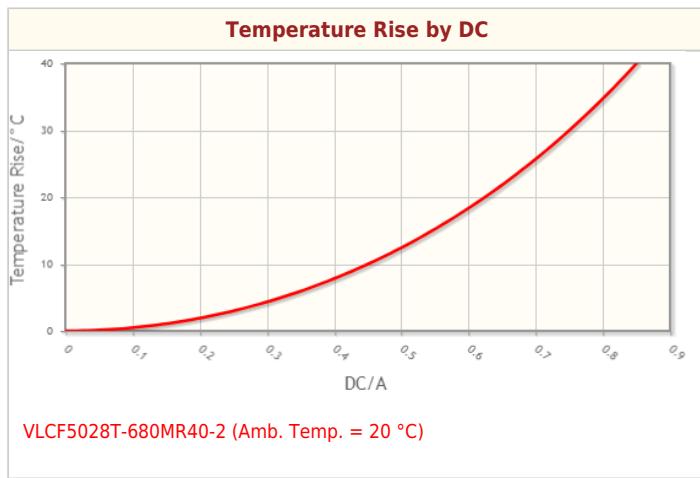
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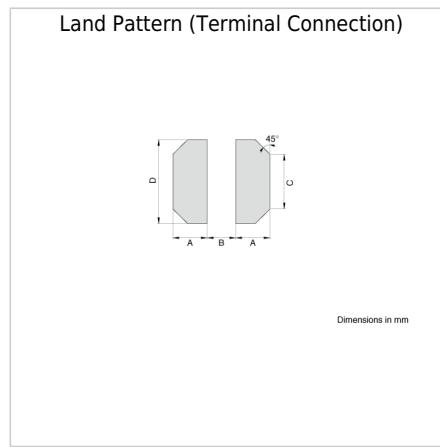
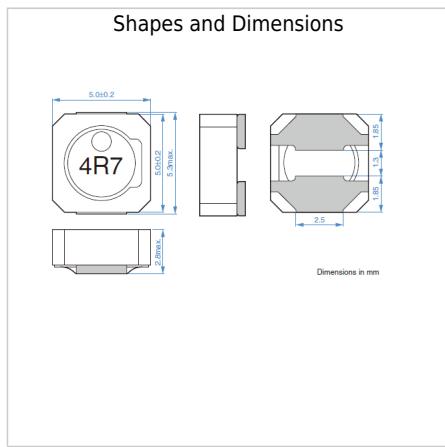


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## Associated Images



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