

EOL Announced

Recommended Alternate Part No. : [CLF6045NIT-680M-D](#) (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

Automotive Grade

[AEC-Q200](#) AEC-Q200

Feature

Wire Wound Wire Wound

Shield Magnetic Shield

Ferrite Core Ferrite Core

Series | Type

CLF-D

Brand

TDK

Environmental

Compliance

**Size**

Length(L)	7.20mm ± 0.20 mm
Width(W)	6.90mm ± 0.20 mm
Thickness Height	4.50mm ± 0.30 mm
Recommended Land Pattern (A)	2.00mm Nom.
Recommended Land Pattern (B)	3.90mm Nom.
Recommended Land Pattern (C)	2.20mm Nom.

Electrical Characteristics

Inductance	68 μ H $\pm 20\%$ at 100kHz
Rated Current (L Change) [Typ.]	1.1A (10% Down)
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	950mA (30°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	210m Ω
DC Resistance [Max.]	252m Ω
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

! Images are for reference only and show exemplary products.

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! All specifications are subject to change without notice.

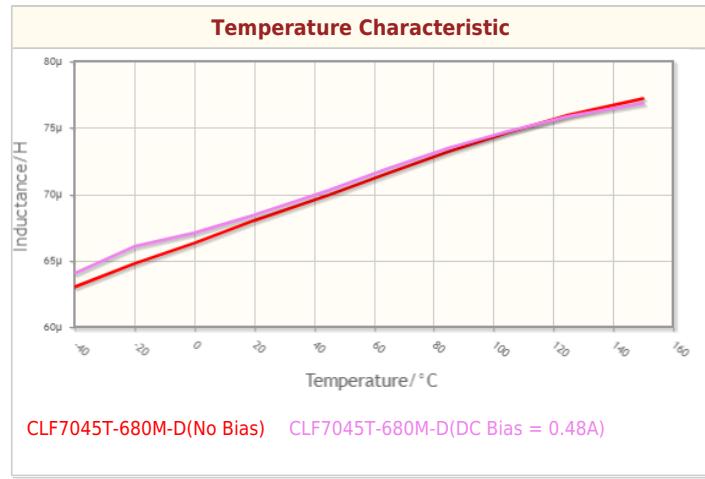
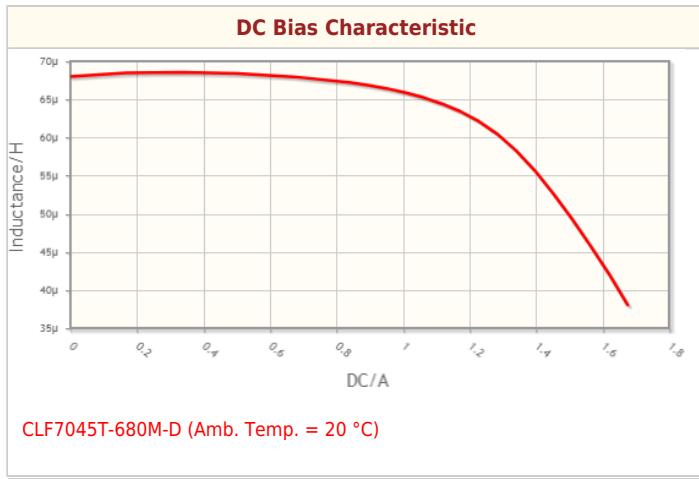
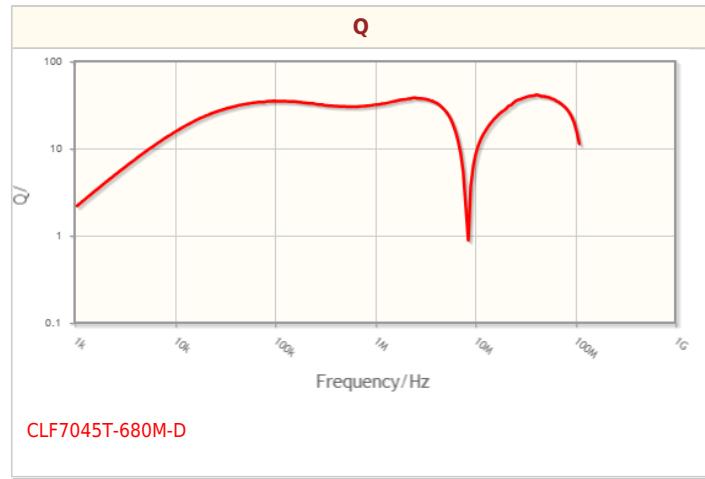
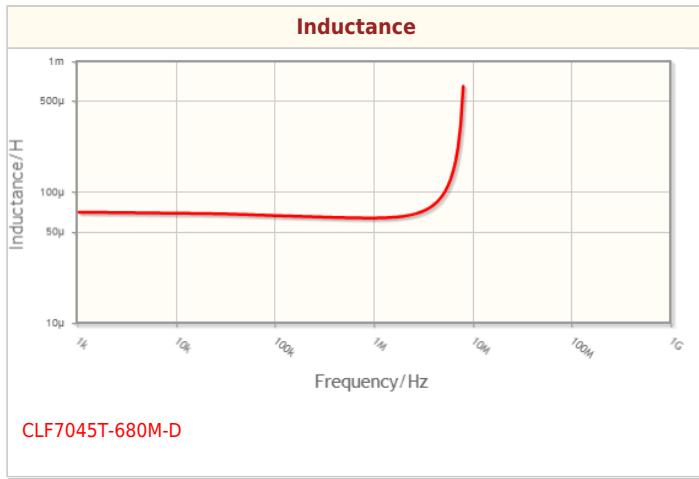
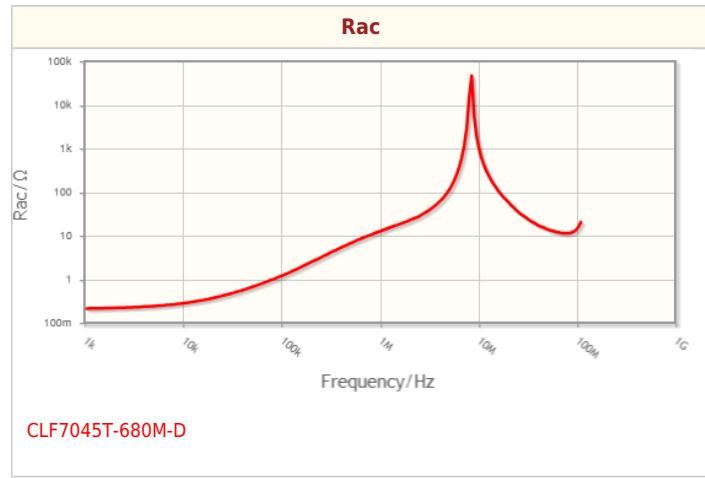
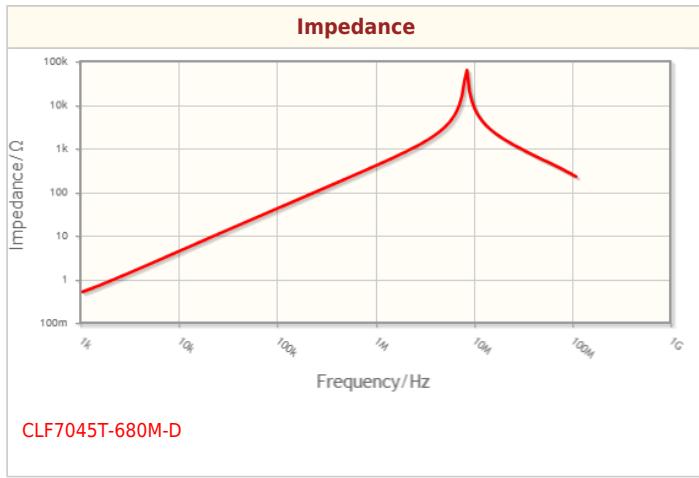
Other

Operating Temp. Range	-40 to 150°C (Including Self-Temp. Rise)
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Punched (Paper)Taping [330mm Reel]
Package Quantity	1000pcs
Weight	0.8g

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CLF7045T-680M-D

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

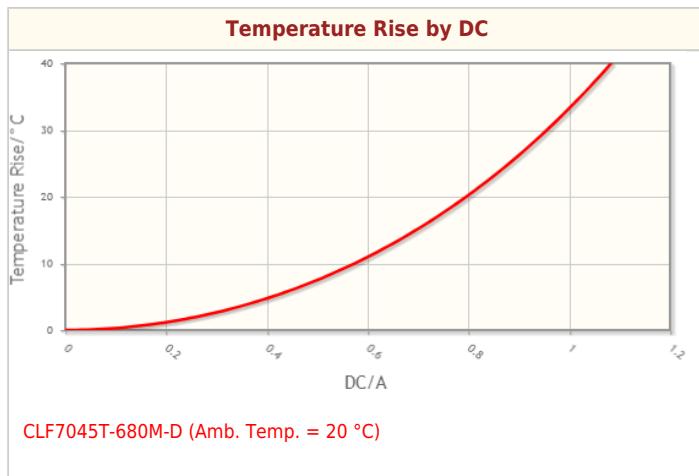


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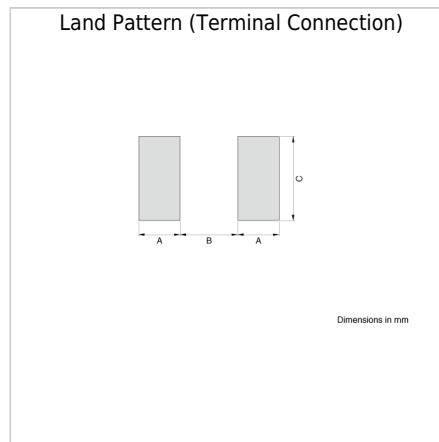
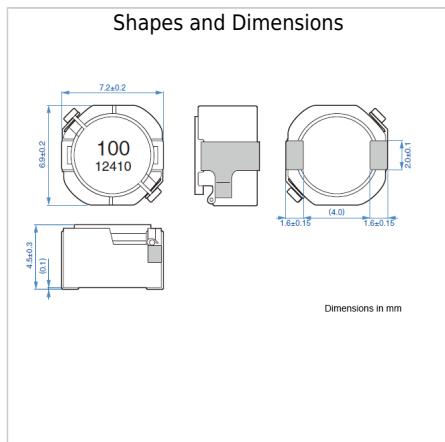
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Associated Images



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