

CLF7045T-6R8N-D

EOL Announced

Recommended Alternate Part No. : [CLF6045NIT-6R8N-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

Feature

[AEC-Q200](#)AEC-Q200
[Wire Wound](#)Wire Wound
[Shield](#)Magnetic Shield
Ferrite CoreFerrite Core

Series | Type

CLF-D

Brand

TDK

Environmental Compliance



Size

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

Electrical Characteristics

Inductance	6.8µH ±30% at 100kHz
Rated Current (L Change) [Typ.]	3.3A (10% Down)
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	3A (30°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	27mΩ
DC Resistance [Max.]	35.1mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

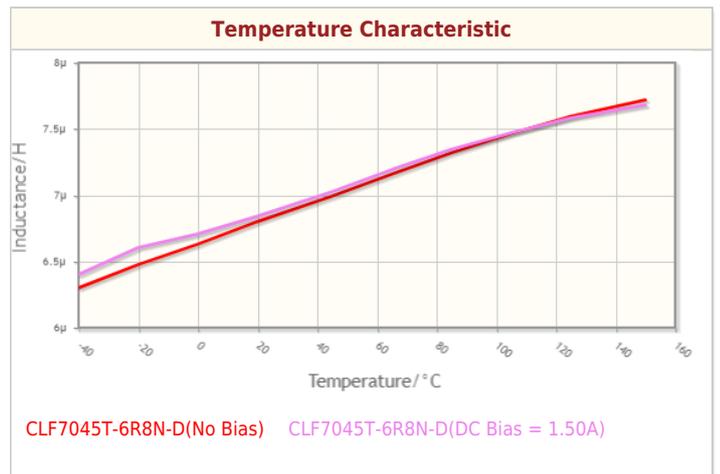
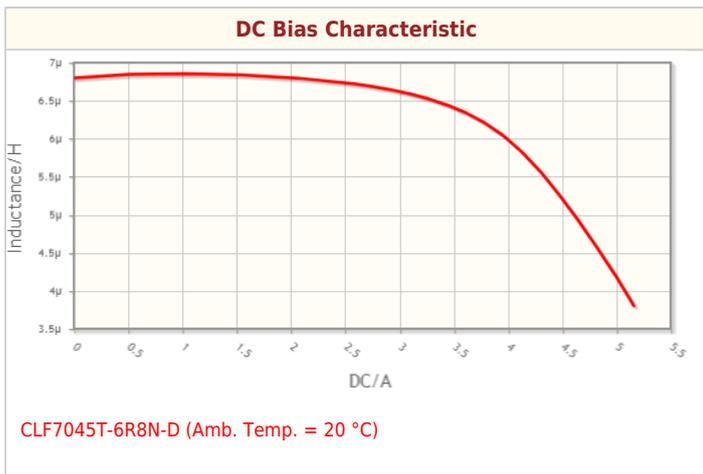
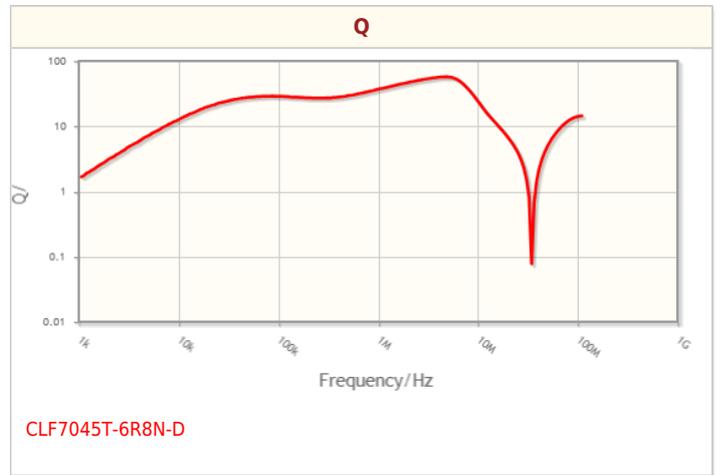
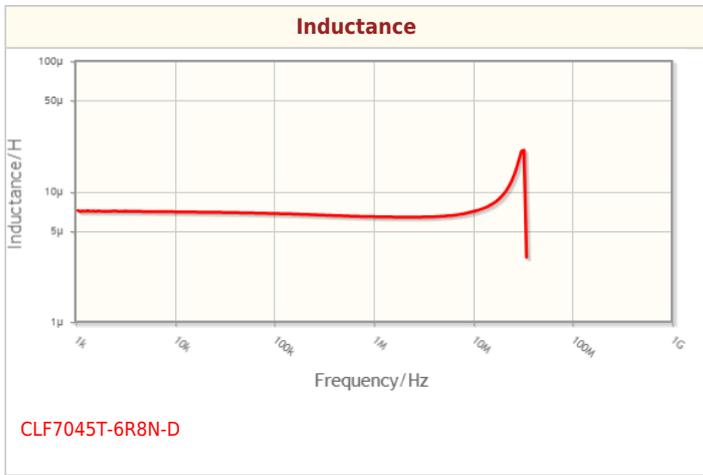
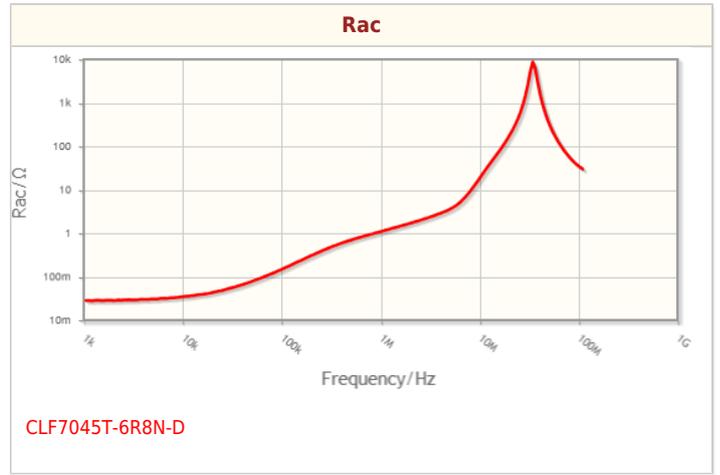
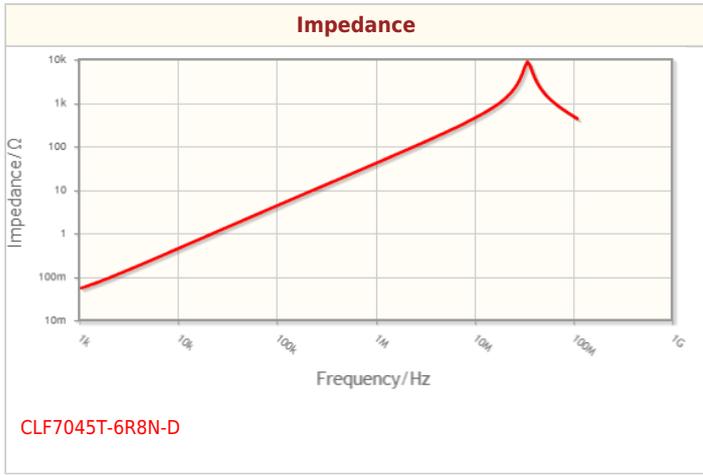
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Other	
Operating Temp. Range	-40 to 150°C (Including Self-Temp. Rise)
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Punched (Paper)Taping [330mm Reel]
Package Quantity	1000pcs
Weight	0.8g

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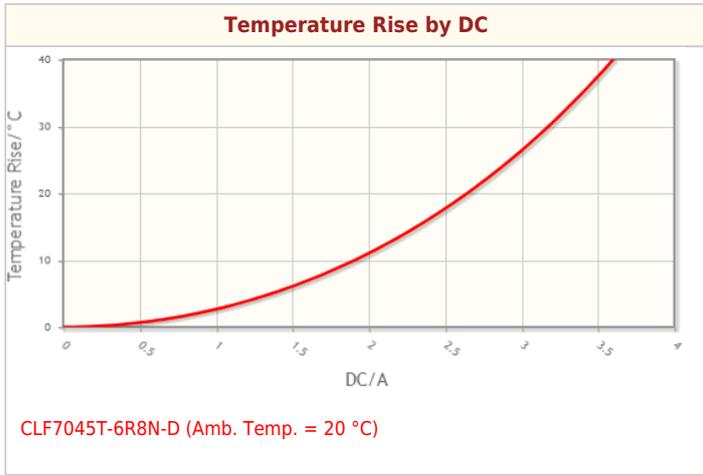
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



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Associated Images

