

CLF7045T-100M-D

**Applications**

Automotive Grade

AEC-Q200

Wire Wound

Shield

Ferrite Core

Feature**Series | Type**

CLF-D



EOL announced
Recommended Alternate Part No. : [CLF6045NIT-100M-D](#) (Interchangeability is not guaranteed.)

Status

Discontinue Issue Date : May.14, 2024

Last Purchase Order Date : Mar.31, 2026

Last Shipment Date : Dec.31, 2026

Brand

TDK

**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	10 μ H $\pm 20\%$ at 100kHz
Rated Current (L Change) [Typ.]	2.7A (10% Down)
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	2.5A (30°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	38m Ω
DC Resistance [Max.]	45.6m Ω
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other

Operating Temp. Range	-40 to 150°C (Including Self-Temp. Rise)
-----------------------	--

! Images are for reference only and show exemplary products.

! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

CLF7045T-100M-D



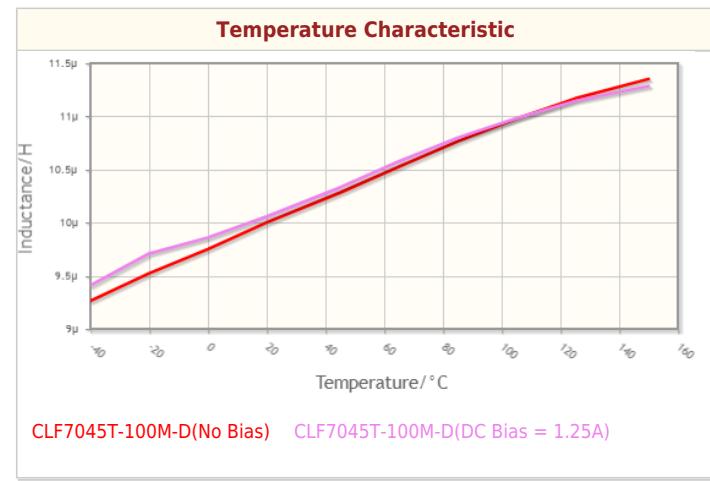
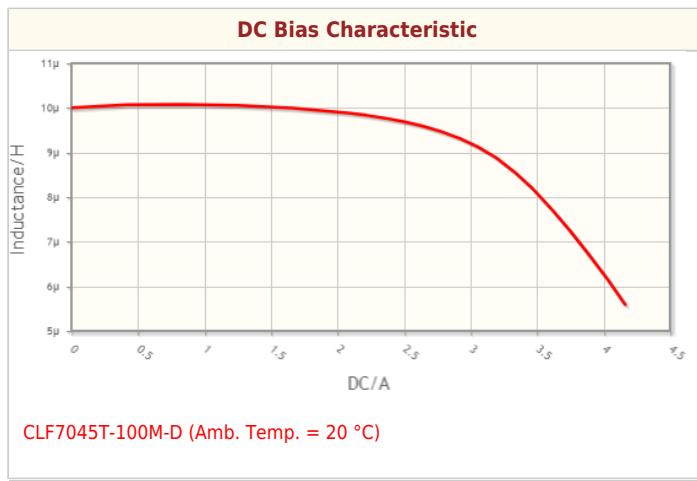
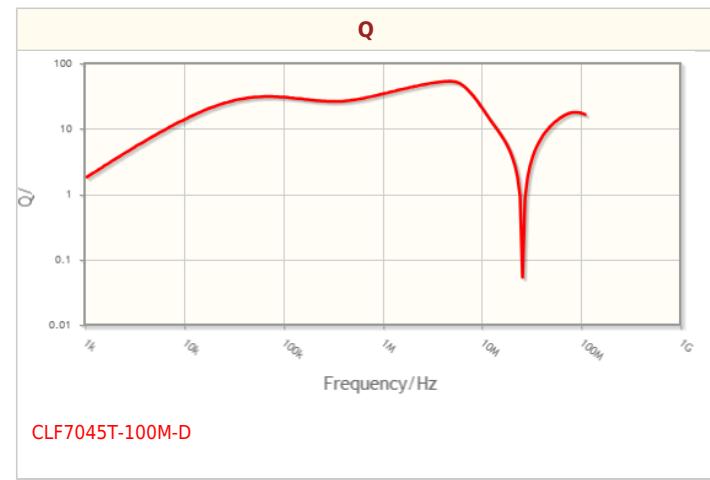
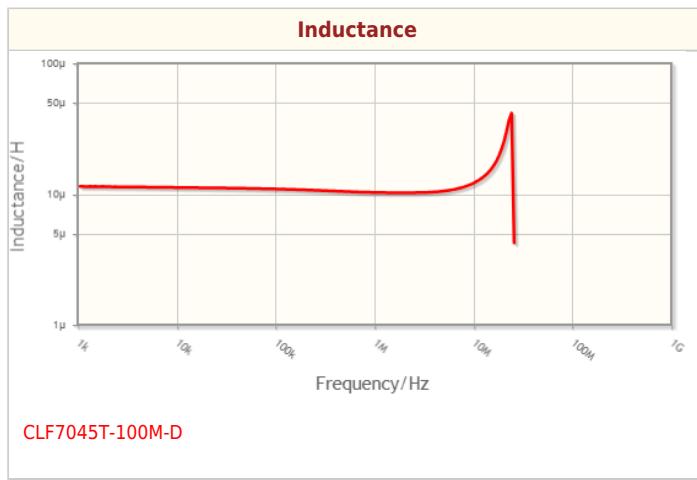
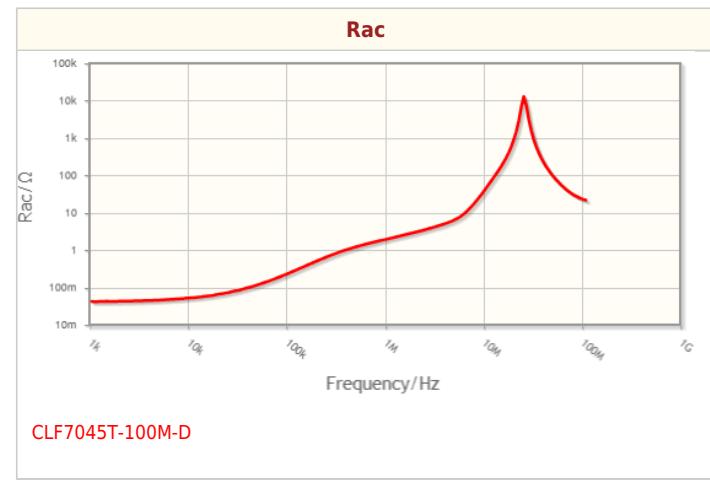
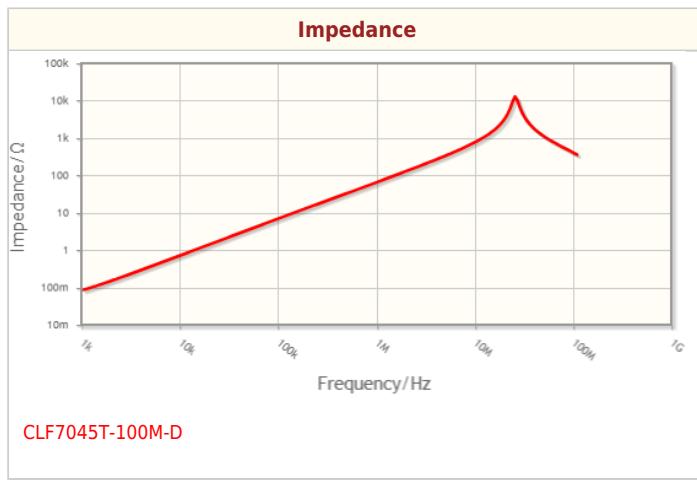
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Punched (Paper)Taping [330mm Reel]
Package Quantity	1000pcs
Weight	0.8g

! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

CLF7045T-100M-D



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



! Images are for reference only and show exemplary products.

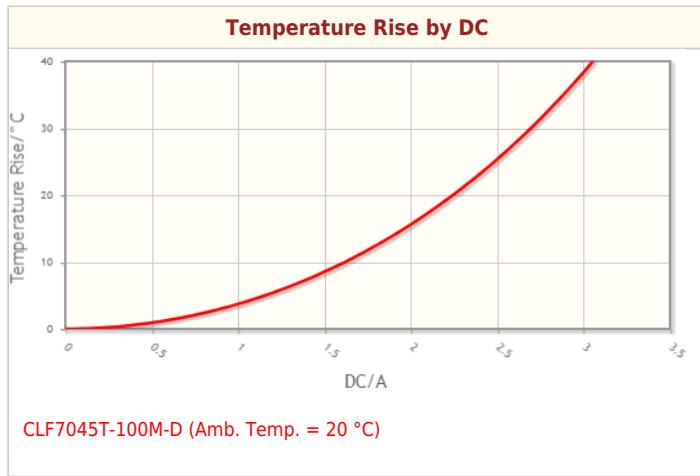
! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

CLF7045T-100M-D



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

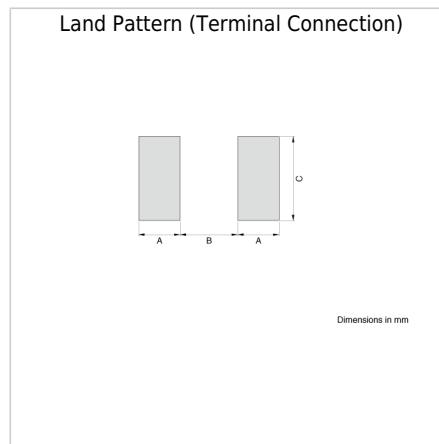
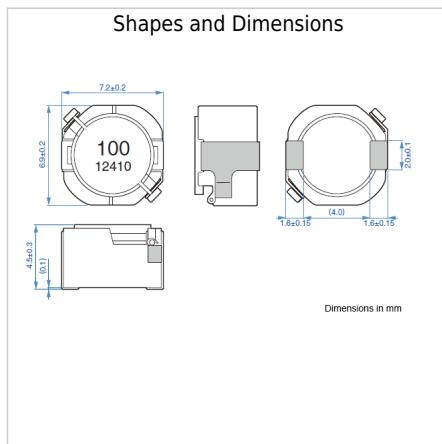


! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

CLF7045T-100M-D



Associated Images



! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.