

Inductors (Coils)

Product Top Page

Search by Part No.

Search by Characteristics

Cross Reference

Catalog

Tech Notes

Technical Support Tools

FAQ

CLF10040T-151M-D



Applications



Automotive Grade

Feature

Shield

Magnetic Shield

Wire Wound

Wire Wound

Ferrite Core

Ferrite Core

AEC-Q200

AEC-Q200

Series | Type

CLF-D

Status



Production (Not Recommended for New Design)

Recommended Alternate Part No. : [CLF10060NIT-151M-D](#)

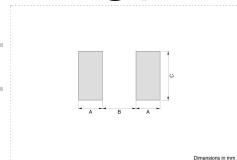
Discontinue Issue Date : May.18, 2017

Last Purchase Order Date : Mar.29, 2019

Last Shipment Date : Sep.30, 2019

Brand

TDK



Images are for reference only
and show exemplary products.

PDF file of this page



Contact



Documents

Product Lineup

Size

Length(L)	10.00mm ±0.30mm
Width(W)	9.70mm ±0.30mm
Thickness(T)	3.80mm ±0.30mm
Recommended Land Pattern (A)	2.50mm Nom.
Recommended Land Pattern (B)	5.60mm Nom.
Recommended Land Pattern (C)	3.20mm Nom.

Electrical Characteristics

Inductance	150μH ±20% at 100kHz
Rated Current (L Change) [Typ.]	1A (10% Down)
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	800mA (30°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	380mΩ
DC Resistance [Max.]	456mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other

Operating Temp. Range (Including Self-Temp. Rise)	-40 to 150°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	Yes
Packing	Blister (Plastic)Taping [330mm Reel]
Package Quantity	800pcs
Weight	1.3g

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

Impedance

Rac

CLF10040T-151M-D

Change settings

Inductance

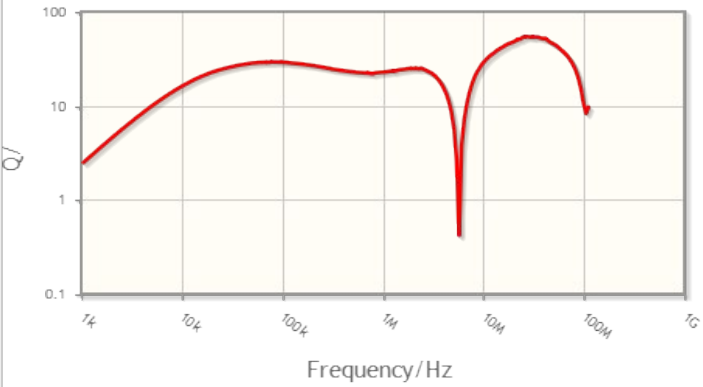
CLF10040T-151M-D

Change settings

CLF10040T-151M-D

Change settings

Q



CLF10040T-151M-D

Change settings

DC Bias Characteristic

CLF10040T-151M-D(Amb. Temp. = 20 °C)

Change settings

Temperature Characteristic

CLF10040T-151M-D(No Bias) CLF10040T-151M-D(DC Bias = 0.40 A)

Change settings

Temperature Rise by DC

[Change settings](#)

Products

» [Search by Part No.](#) » [Search by Characteristics](#) » [Distributor Inventory Check](#)

- | | |
|--|---|
| » Capacitors | » Anechoic Chambers and Radio Wave Absorbers |
| » Inductors (Coils) | » Power Supplies |
| » EMC Components | » Magnets |
| » RF Components and Modules | » Flash Storages |
| » Voltage / Current / Temperature Protection Devices | » Wireless Power Transfer |
| » Sensors and Sensor Systems | » FA Systems |
| » Ceramic Switching / Heating, Piezo Components, | » Transparent Conductive Film |
| Buzzers and Microphones | » Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB) |
| » Transformers | » Solar Cells |
| » Ferrites and Accessories | » Biosensor |
| » Noise Suppressing / Magnetic Sheet | |

Application Guides

Technical Support

Tech Library

Environment

Contact

News

Home

-  [About TDK](#)
-  [TDK Worldwide](#)

