

Inductors (Coils)

Product Top Page

Search by Part No.

Search by Characteristics

Cross Reference

Catalog

Tech Notes

Technical Support Tools

FAQ

VLB10050HT-R30N



Applications



Commercial Grade

Feature

No Directivity

No Directivity

Wire Wound

Wire Wound

Ferrite Core

Ferrite Core

Series

VLB

Status



Production



Images are for reference only and show exemplary products.

PDF file of this page



Buy Now



Contact



Documents

Catalog

RoHS Certificate

SVHC/REACH Certificate

Product Lineup

Technical Support Tools

S-parameter

SPICE Netlist (Simple)

Equivalent Circuit Model

Size

Length(L)	9.80mm ±0.40mm
Width(W)	6.70mm ±0.30mm
Thickness(T)	4.80mm ±0.20mm
Recommended Land Pattern (A)	2.00mm Nom.
Recommended Land Pattern (B)	6.40mm Nom.
Recommended Land Pattern (C)	3.00mm Nom.

Electrical Characteristics

Inductance	300nH ±30% at 1MHz
Rated Current (L Change) [Typ.]	21A (20% Down)
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	31A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	350μΩ
DC Resistance [Max.]	371μΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other

Operating Temp. Range (Including Self-Temp. Rise)	-40 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	No
Packing	Blister (Plastic)Taping [330mm Reel]
Package Quantity	500pcs
Weight	1.4g

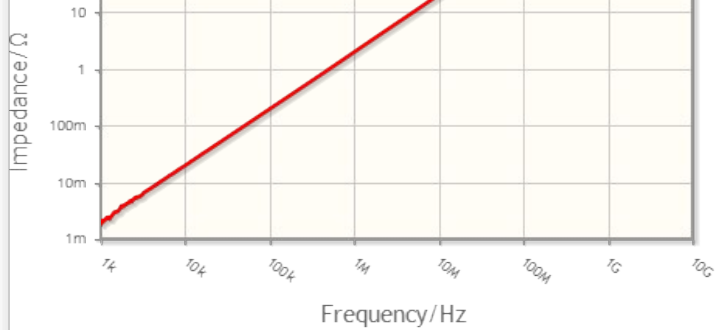
Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)

Impedance

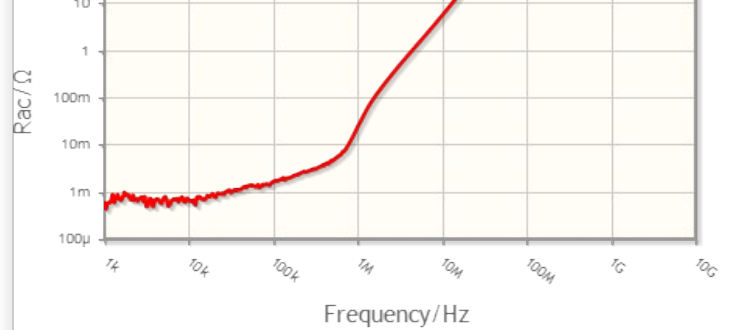


Rac

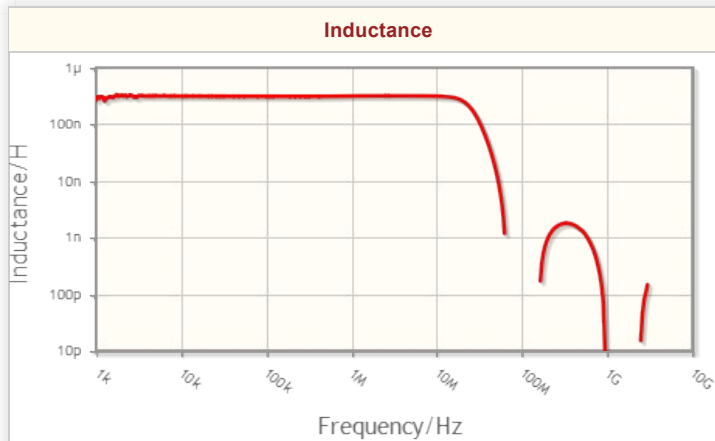




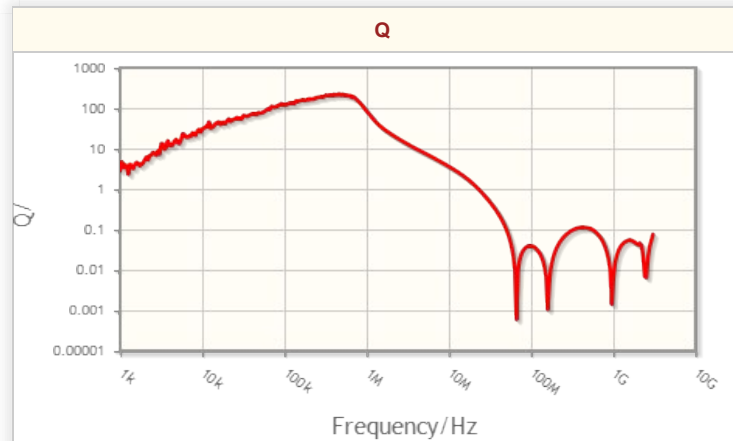
Change settings



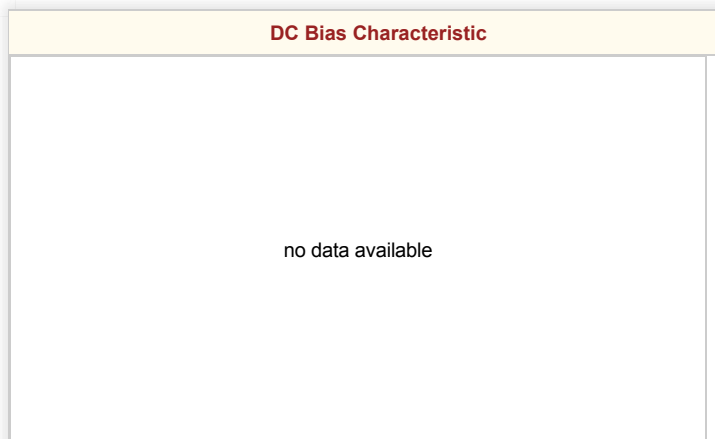
Change settings



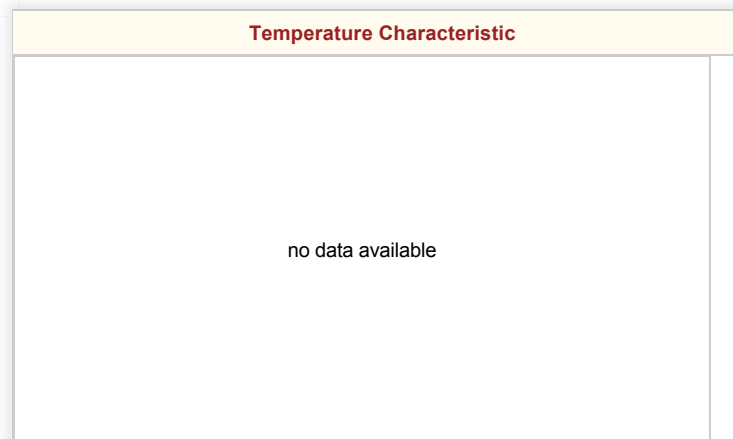
Change settings



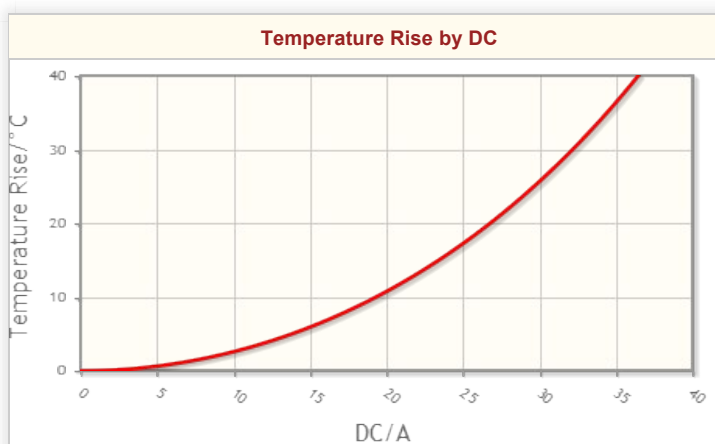
Change settings



Change settings



Change settings



Downloaded from [Arrow.com](https://www.arrow.com)

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](#)

