Creation Date : October 07, 2022 (GMT)

SMD / SMT Inductors (Coils)

NLC565050T-220K-PF

RoHS Reach

Applications	Commercial Grade
Feature	No Directivity No Directivity Wire Wound Wire Wound Ferrite Core Ferrite Core
Series | Type	NLC565050
Status	Obsolete Recommended Alternate Part No. : None Discontinue Issue Date : May.21, 2015 Last Purchase Order Date : Dec.22, 2016 Last Shipment Date : Jun.30, 2017
Brand	TDK

Size	
Length(L)	5.60mm ±0.30mm
Width(W)	5.00mm ±0.30mm
Thickness | Height	5.00mm ±0.30mm
Recommended Land Pattern (A)	2.00mm Nom.
Recommended Land Pattern (B)	4.00mm Nom.
Recommended Land Pattern (C)	4.50mm Nom.

Electrical Characteristics	
Inductance	22µH ±10% at 2.52MHz
Rated Current	480mA
DC Resistance [Typ.]	
DC Resistance [Max.]	430mΩ
Self Resonant Frequency [Min.]	13MHz
Self Resonant Frequency [Typ.]	
Q [Min.]	10 at 2.52MHz
Q [Typ.]	

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105°C
Soldering Method	Wave (Flow) Reflow Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	400pcs
Weight	0.38g

! Images are for reference only and show exemplary products.
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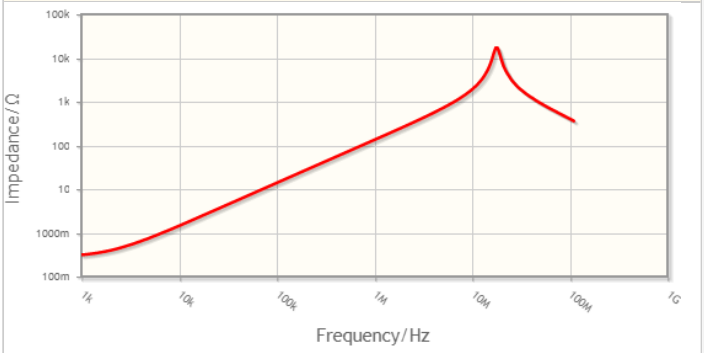
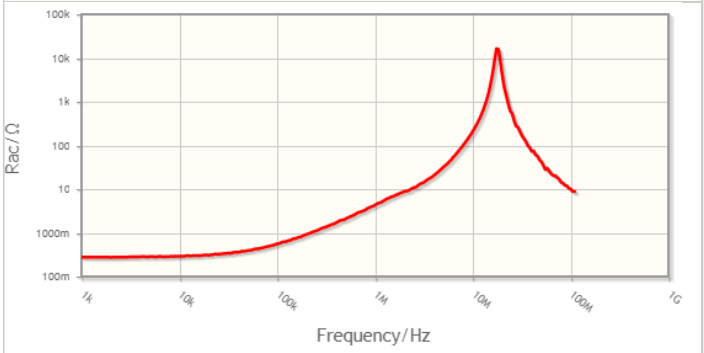
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



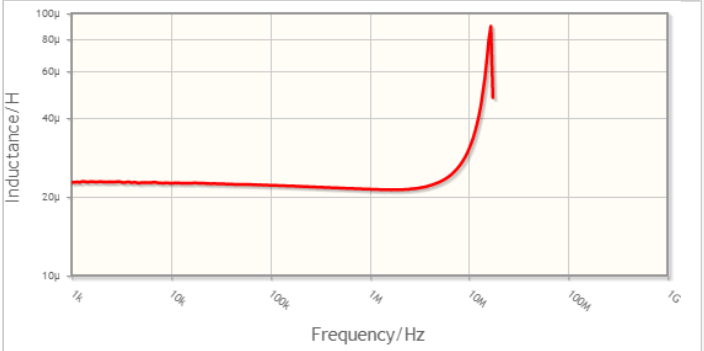
NLC565050T-220K-PF

Rac



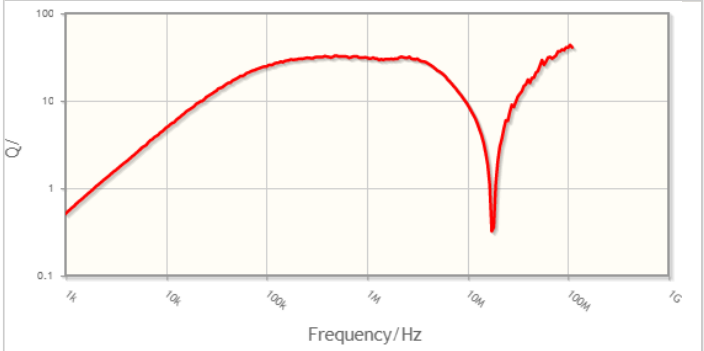
NLC565050T-220K-PF

Inductance



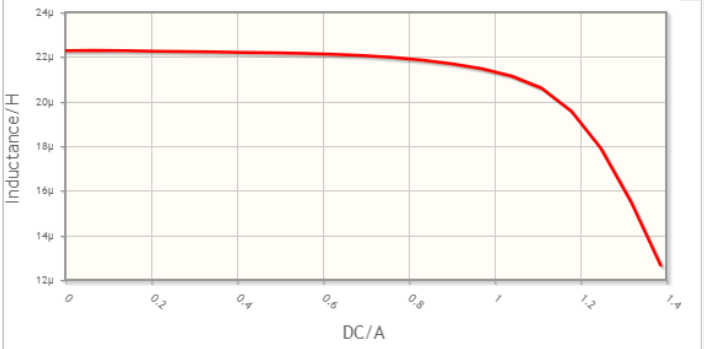
NLC565050T-220K-PF

Q



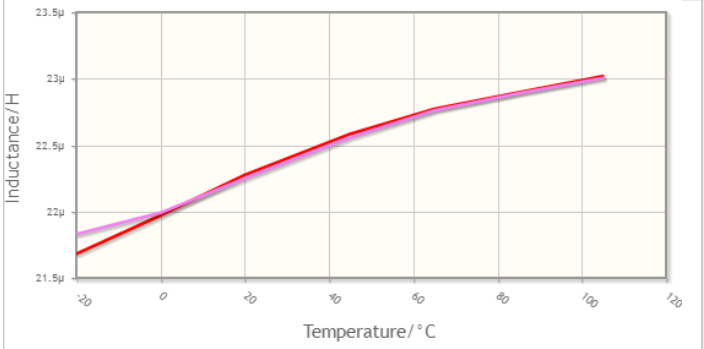
NLC565050T-220K-PF

DC Bias Characteristic



NLC565050T-220K-PF (Amb. Temp. = 20 °C)

Temperature Characteristic



NLC565050T-220K-PF(No Bias) NLC565050T-220K-PF(DC Bias = 0.24A)

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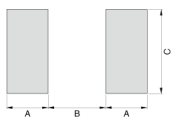
Associated Images

Land Pattern (Terminal Connection)



Dimensions in mm

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