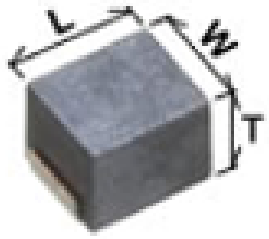
Creation Date : January 19, 2017 (GMT)

Inductors (Coils)

NLCV32T-4R7M-PFD

RoHS | REACH SVHC-Free | Halogen Free

Applications	Automotive Grade
Feature	AEC-Q200 AEC-Q200 Wire Wound Wire Wound No Directivity No Directivity Ferrite Core Ferrite Core
Series	NLCV-PFD
Status	Production
Brand	TDK



Size	
Length(L)	3.20mm ±0.20mm
Width(W)	2.50mm ±0.20mm
Thickness(T)	2.20mm ±0.20mm
Recommended Land Pattern (A)	1.20mm Nom.
Recommended Land Pattern (B)	2.00mm Nom.
Recommended Land Pattern (C)	2.00mm Nom.

Electrical Characteristics	
Inductance	4.7µH ±20% at 7.96MHz
Rated Current	620mA
DC Resistance [Typ.]	200mΩ
DC Resistance [Max.]	260mΩ
Self Resonant Frequency [Min.]	46MHz
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	15

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105°C
Soldering Method	Flow Reflow Iron Soldering
AEC-Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.05g

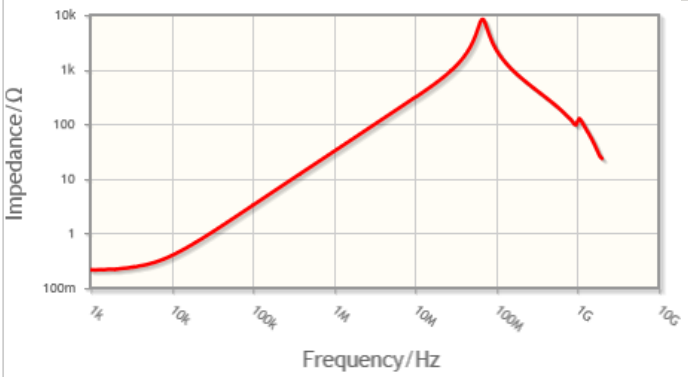
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NLCV32T-4R7M-PFD

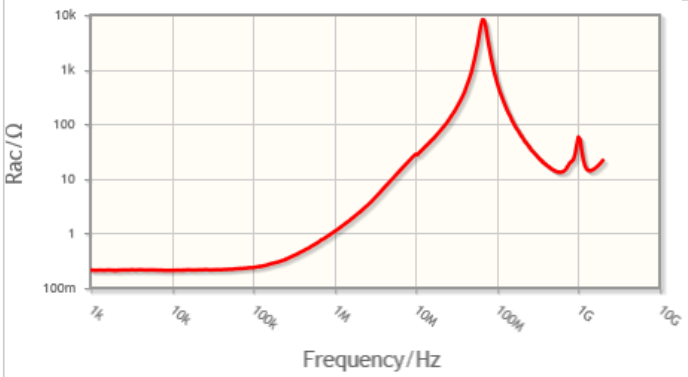
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



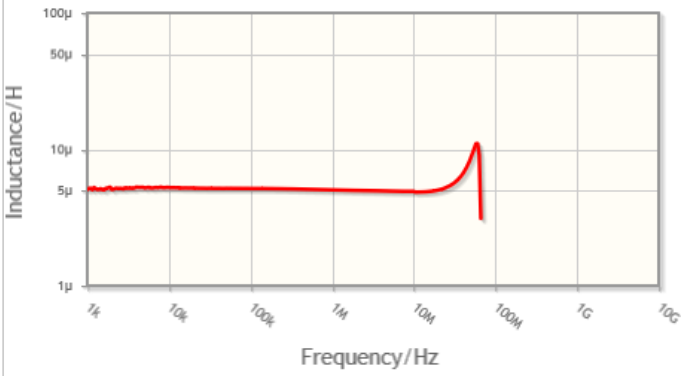
NLCV32T-4R7M-PFD

Rac



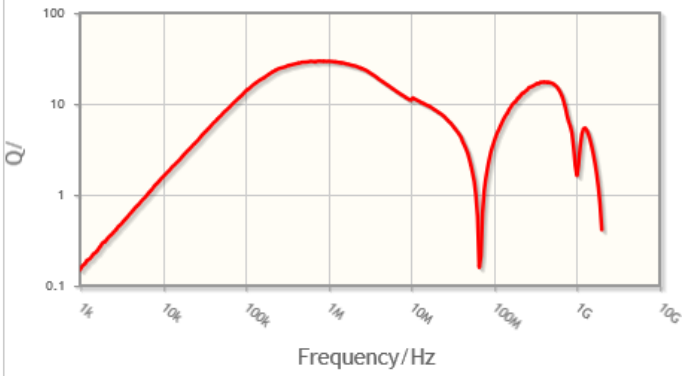
NLCV32T-4R7M-PFD

Inductance



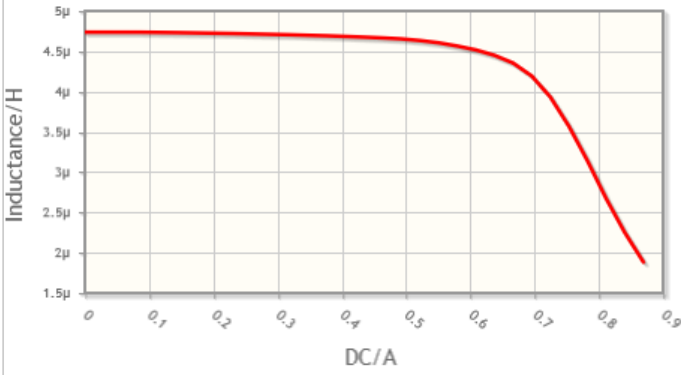
NLCV32T-4R7M-PFD

Q



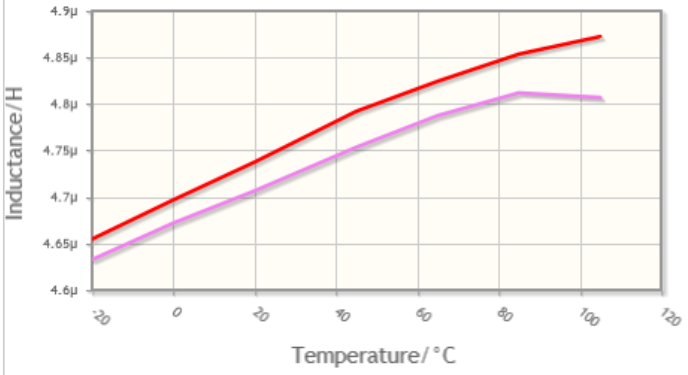
NLCV32T-4R7M-PFD

DC Bias Characteristic



NLCV32T-4R7M-PFD (Amb. Temp. = 20 °C)

Temperature Characteristic



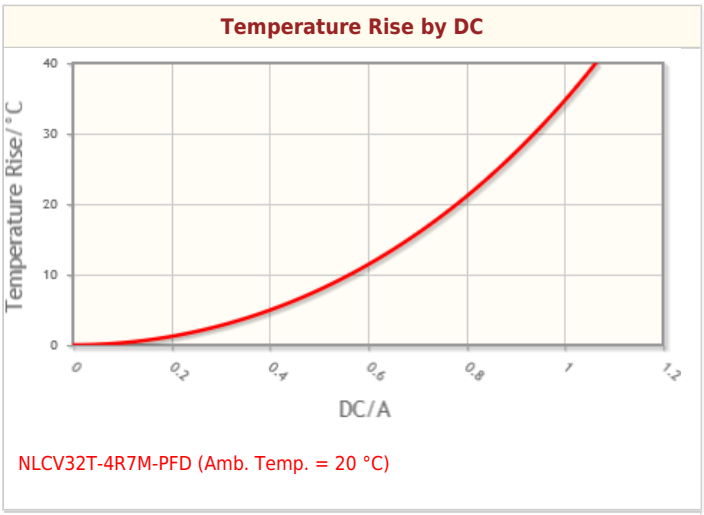
NLCV32T-4R7M-PFD(No Bias) NLCV32T-4R7M-PFD(DC Bias = 0.31A)

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NLCV32T-4R7M-PFD

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



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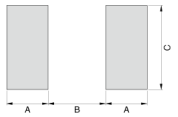
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Inductors (Coils)

NLCV32T-4R7M-PFD

Associated Images

Land Pattern (Terminal Connection)



Dimensions in mm

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