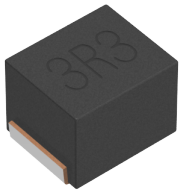
Creation Date : March 22, 2021 (GMT)

SMD / SMT Inductors (Coils)

NLCV25T-100K-EFD

RoHS Reach Halogen Free Pb Free

Applications	Automotive Grade
Feature	AEC-Q200 AEC-Q200 No Directivity No Directivity Wire Wound Wire Wound Ferrite Core Ferrite Core
Series | Type	NLCV25-EFD
Status	Production
Brand	TDK



Size	
Length(L)	2.50mm ±0.20mm
Width(W)	2.00mm ±0.10mm
Thickness | Height	1.80mm ±0.10mm
Recommended Land Pattern (A)	1.00mm Nom.
Recommended Land Pattern (B)	1.50mm Nom.
Recommended Land Pattern (C)	1.50mm Nom.

Electrical Characteristics	
Inductance	10µH ±10% at 2.52MHz
Rated Current	210mA
DC Resistance [Typ.]	1.69Ω
DC Resistance [Max.]	2.197Ω
Self Resonant Frequency [Min.]	32MHz
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	30 2520000

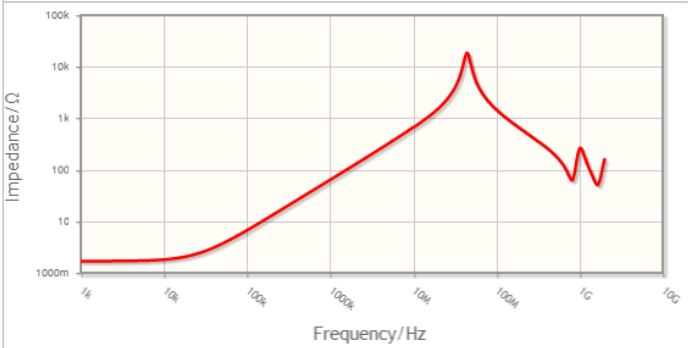
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105°C
Soldering Method	Wave (Flow) Reflow Iron Soldering
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.025g

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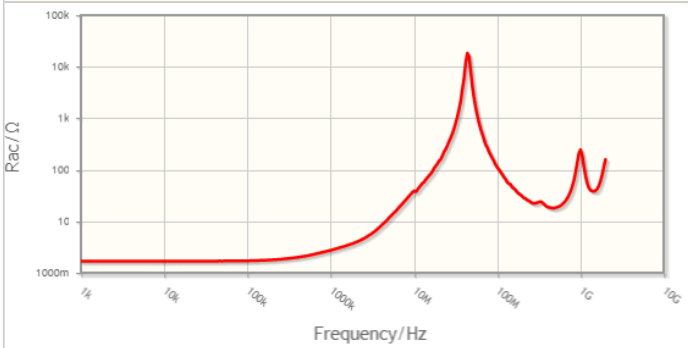
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



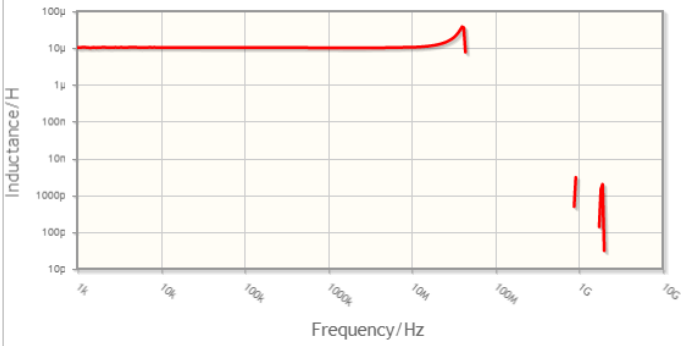
NLCV25T-100K-EFD

Rac



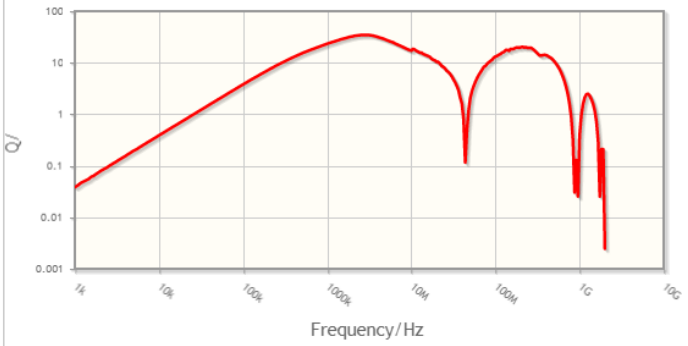
NLCV25T-100K-EFD

Inductance



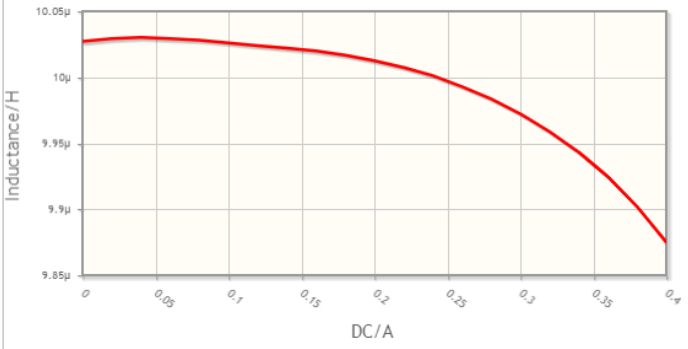
NLCV25T-100K-EFD

Q



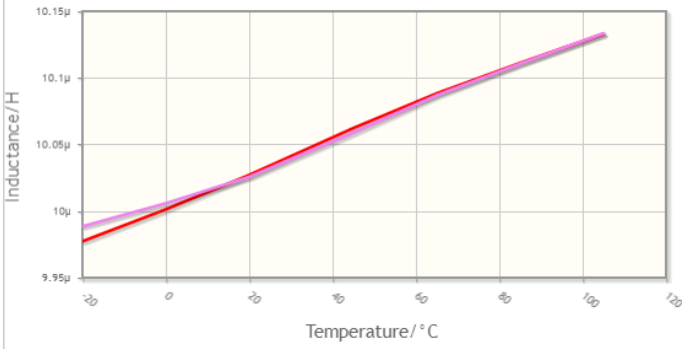
NLCV25T-100K-EFD

DC Bias Characteristic



NLCV25T-100K-EFD (Amb. Temp. = 20 °C)

Temperature Characteristic

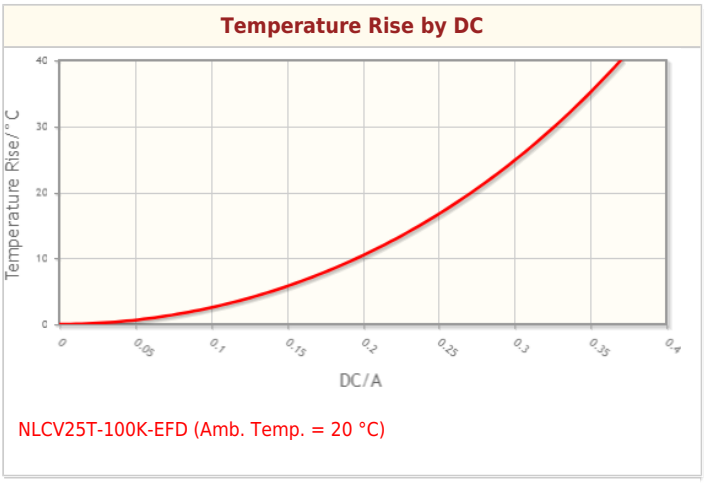


NLCV25T-100K-EFD(No Bias) NLCV25T-100K-EFD(DC Bias = 0.11A)

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



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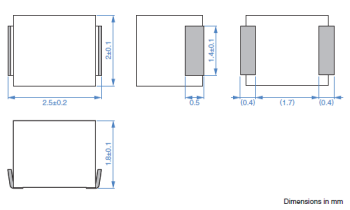
SMD / SMT Inductors (Coils)

NLCV25T-100K-EFD

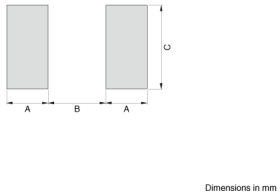
RoHS Reach Halogen Free Pb Free

Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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