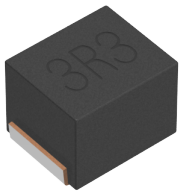
SMD / SMT Inductors (Coils)

NLFV25T-100K-PF

Product Status	EOL Announced Recommended Alternate Part No. : NLFV25T-100K-EF (Interchangeability is not guaranteed.) Discontinue Issue Date : Nov.19, 2024 Last Purchase Order Date : Mar.31, 2026 Last Shipment Date : Sep.30, 2026
Applications	Commercial Grade
Feature	No DirectivityNo Directivity Wire WoundWire Wound ShieldMagnetic Shield Ferrite CoreFerrite Core
Series | Type	NLFV25-PF
Brand	TDK
Environmental Compliance	RoHS REACH Halogen Free



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	155mA
DC Resistance [Typ.]	360mΩ
DC Resistance [Max.]	432mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other	
Operating Temp. Range	-40 to 105°C (Including Self-Temp. Rise)
Soldering Method	Wave (Flow) Reflow Iron Soldering

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SMD / SMT Inductors (Coils)

NLFV25T-100K-PF

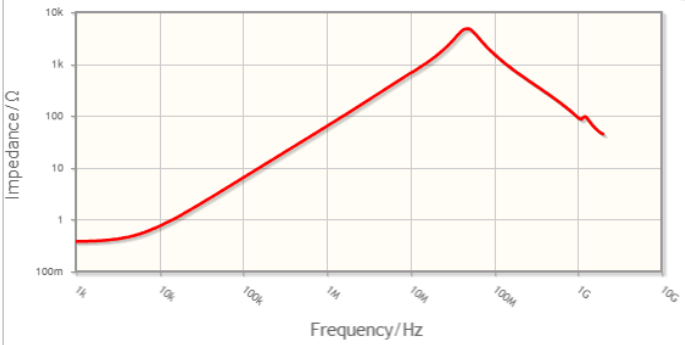
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.025g

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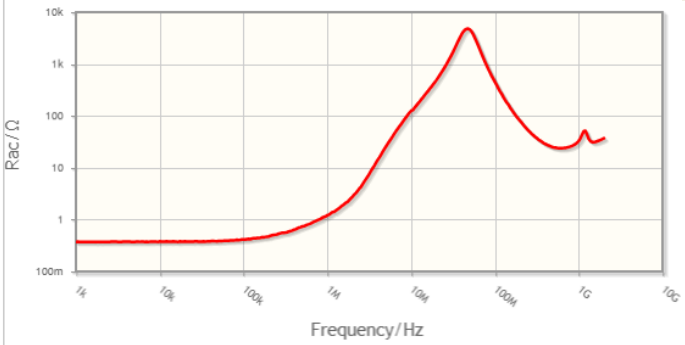
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



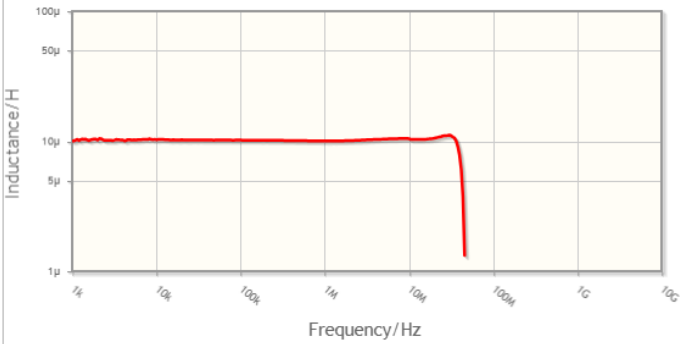
NLFV25T-100K-PF

Rac



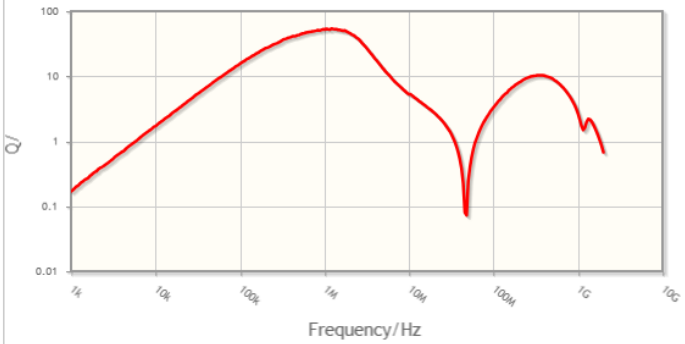
NLFV25T-100K-PF

Inductance



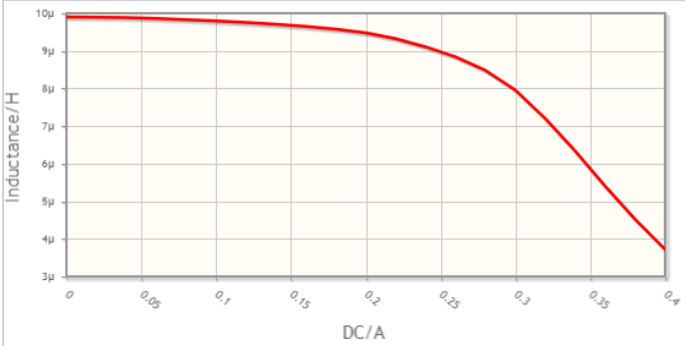
NLFV25T-100K-PF

Q



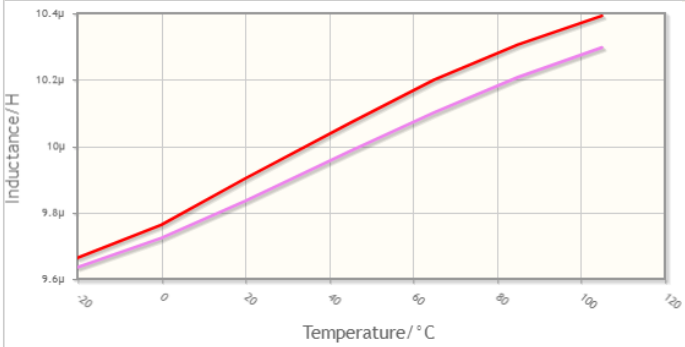
NLFV25T-100K-PF

DC Bias Characteristic



NLFV25T-100K-PF (Amb. Temp. = 20 °C)

Temperature Characteristic

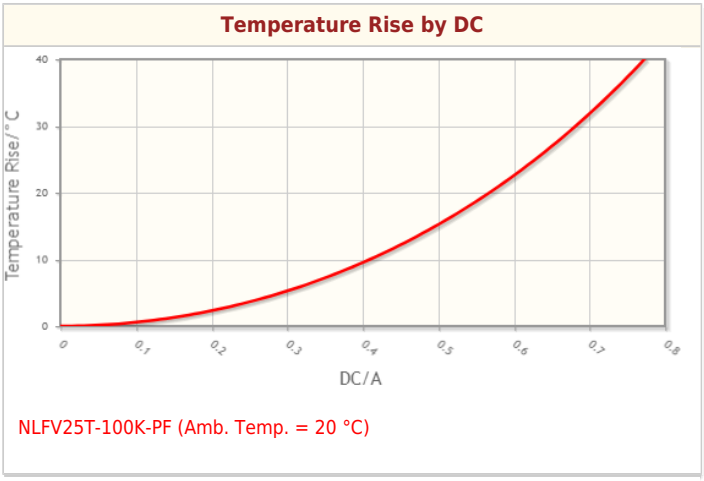


NLFV25T-100K-PF(No Bias) NLFV25T-100K-PF(DC Bias = 0.08A)

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



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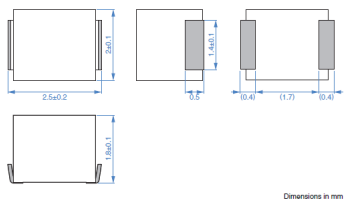
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SMD / SMT Inductors (Coils)

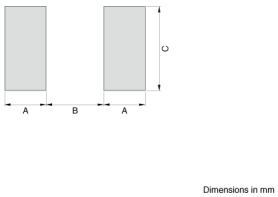
NLFV25T-100K-PF

Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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