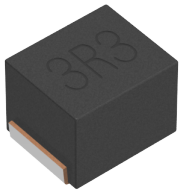
SMD / SMT Inductors (Coils)

NLFV25T-100K-PF

RoHS Reach Halogen Free

Applications	Commercial Grade
Feature	No Directivity No Directivity Wire Wound Wire Wound Shield Magnetic Shield Ferrite Core Ferrite Core
Series | Type	NLFV25-PF
Status	Production (Not Recommended for New Design) Recommended Alternate Part No. : NLFV25T-100K-EF (Interchangeability is not guaranteed.)
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	155mA
DC Resistance [Typ.]	360mΩ
DC Resistance [Max.]	432mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

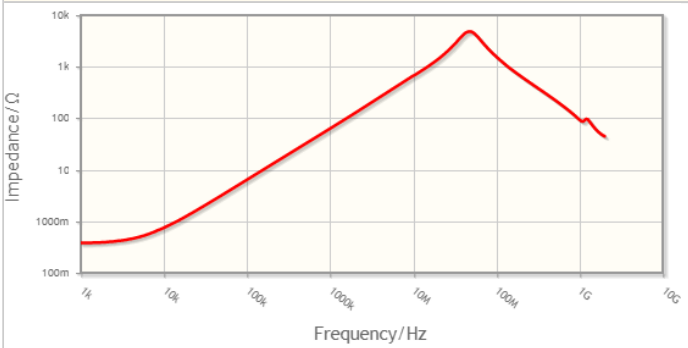
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105°C
Soldering Method	Wave (Flow) Reflow Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.025g

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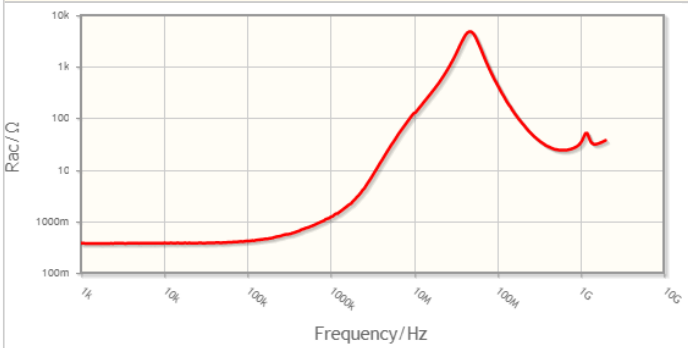
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



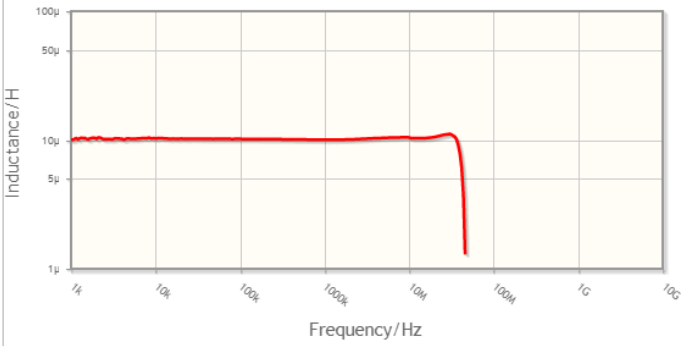
NLFV25T-100K-PF

Rac



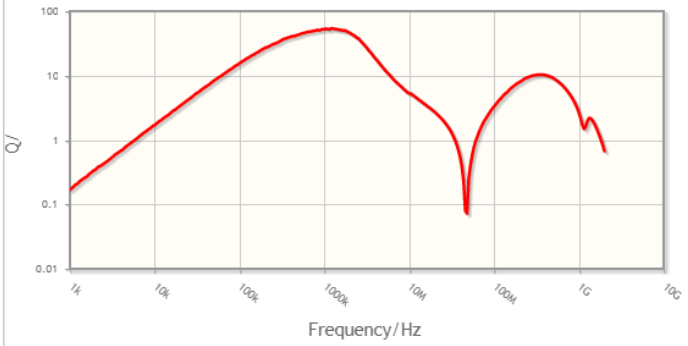
NLFV25T-100K-PF

Inductance



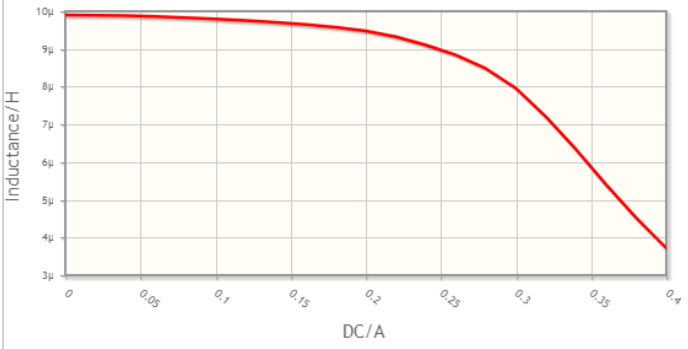
NLFV25T-100K-PF

Q



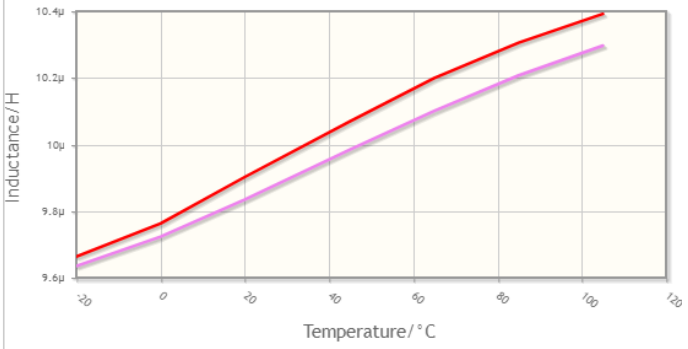
NLFV25T-100K-PF

DC Bias Characteristic



NLFV25T-100K-PF (Amb. Temp. = 20 °C)

Temperature Characteristic

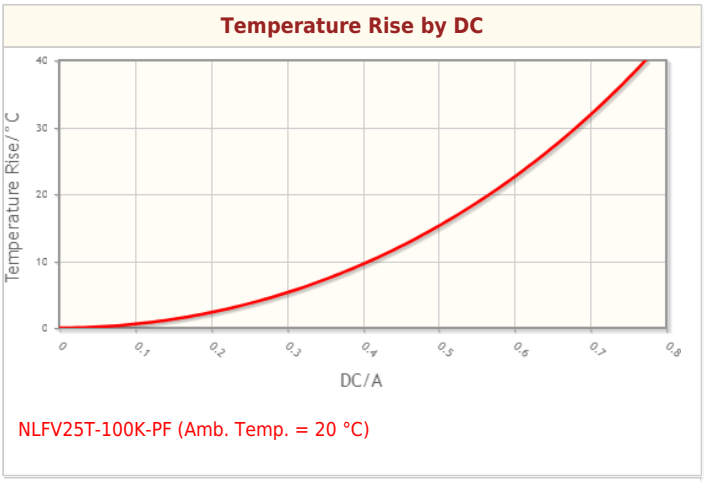


NLFV25T-100K-PF(No Bias) NLFV25T-100K-PF(DC Bias = 0.08A)

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



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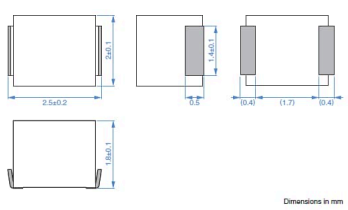
SMD / SMT Inductors (Coils)

NLFV25T-100K-PF

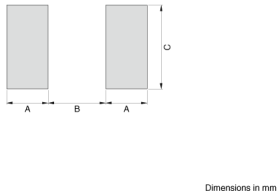
RoHS Reach Halogen Free

Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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