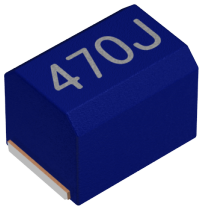
SMD / SMT Inductors (Coils)

NL453232T-102J-PF

Product Status	Obsolete Recommended Alternate Part No. : Contact Discontinue Issue Date : May.28, 2020 Last Purchase Order Date : Mar.31, 2022 Last Shipment Date : Sep.30, 2022
Applications	Commercial Grade
Feature	No DirectivityNo Directivity Wire WoundWire Wound Ferrite CoreFerrite Core
Series | Type	NL453232
Brand	TDK
Environmental Compliance	RoHS



Size	
Length(L)	4.50mm ±0.30mm
Width(W)	3.20mm ±0.20mm
Thickness | Height	3.20mm ±0.20mm
Recommended Land Pattern (A)	1.50mm Nom.
Recommended Land Pattern (B)	3.00mm Nom.
Recommended Land Pattern (C)	2.80mm Nom.

Electrical Characteristics	
Inductance	1mH ±5% at 252kHz
Rated Current	30mA
DC Resistance [Typ.]	
DC Resistance [Max.]	40Ω
Self Resonant Frequency [Min.]	2.5MHz
Self Resonant Frequency [Typ.]	
Q [Min.]	30 at 252kHz
Q [Typ.]	

Other	
Operating Temp. Range	-40 to 85°C (Including Self-Temp. Rise)
Soldering Method	Wave (Flow) Reflow Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]

! Images are for reference only and show exemplary products.
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SMD / SMT Inductors (Coils)

NL453232T-102J-PF

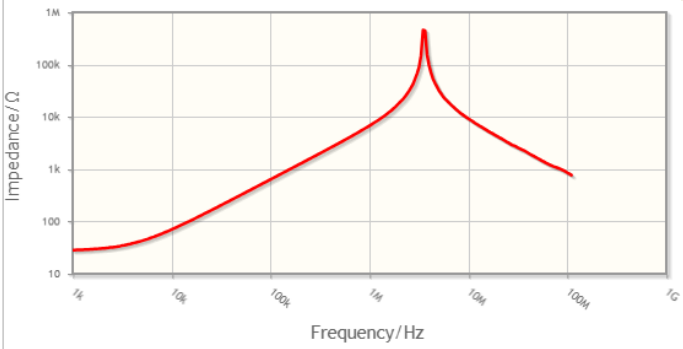
Package Quantity	500pcs
Weight	0.18g

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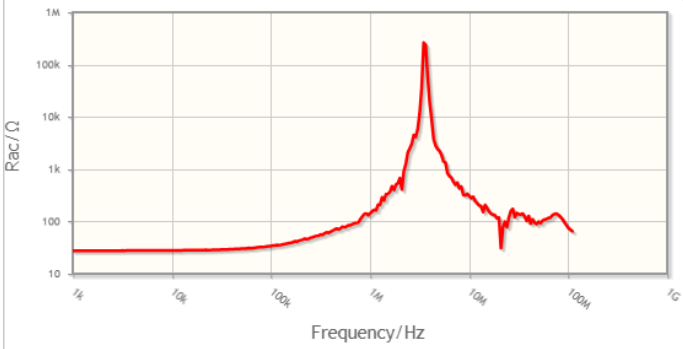
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



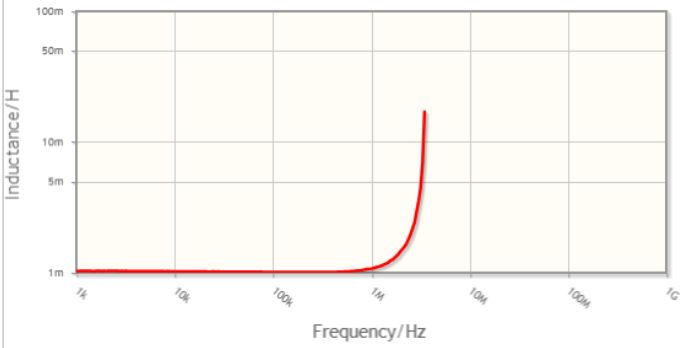
NL453232T-102J-PF

Rac



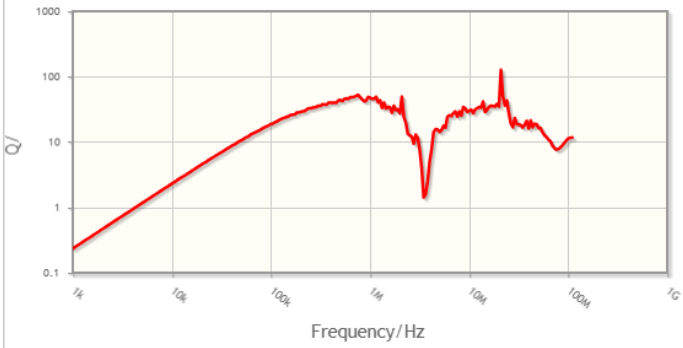
NL453232T-102J-PF

Inductance



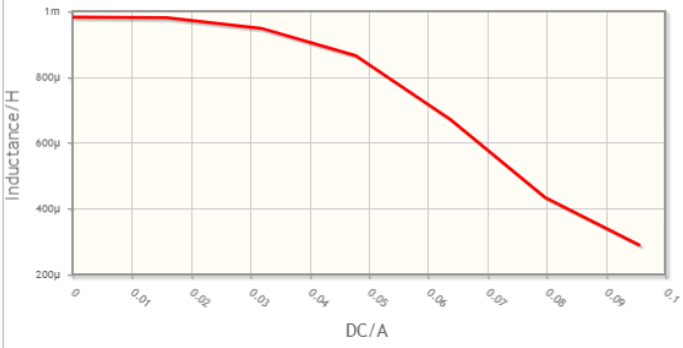
NL453232T-102J-PF

Q



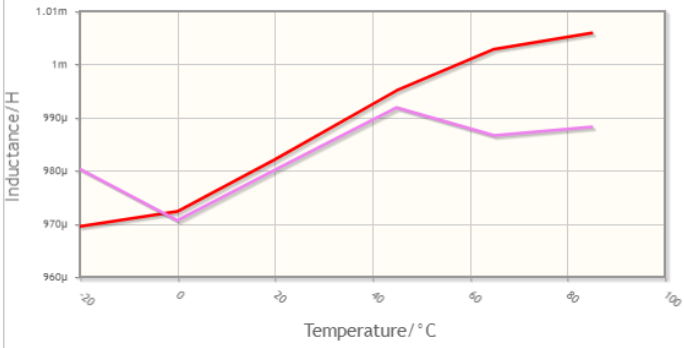
NL453232T-102J-PF

DC Bias Characteristic



NL453232T-102J-PF (Amb. Temp. = 20 °C)

Temperature Characteristic



NL453232T-102J-PF(No Bias) NL453232T-102J-PF(DC Bias = 0.02A)

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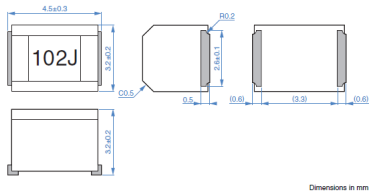
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SMD / SMT Inductors (Coils)

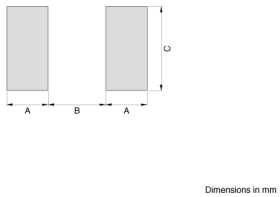
NL453232T-102J-PF

Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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