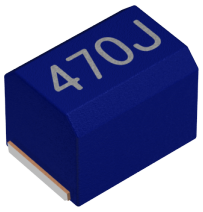
SMD / SMT Inductors (Coils)

NL453232T-820J-PF

RoHS

Applications	Commercial Grade
Feature	No Directivity No Directivity Wire Wound Wire Wound Ferrite Core Ferrite Core
Series | Type	NL453232
Status	Obsolete Recommended Alternate Part No. : NLV32T-820J-EF (Interchangeability is not guaranteed.) Discontinue Issue Date : May.28, 2020 Last Purchase Order Date : Mar.31, 2022 Last Shipment Date : Sep.30, 2022
Brand	TDK



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	82µH ±5% at 2.52MHz
Rated Current	120mA
DC Resistance [Typ.]	
DC Resistance [Max.]	7Ω
Self Resonant Frequency [Min.]	8MHz
Self Resonant Frequency [Typ.]	
Q [Min.]	50 at 2.52MHz
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.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

Copyright(c) TDK Corporation. All rights reserved.
Downloaded from Arrow.com.

SMD / SMT Inductors (Coils)

NL453232T-820J-PF

RoHS

Package Quantity	500pcs
Weight	0.18g

! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

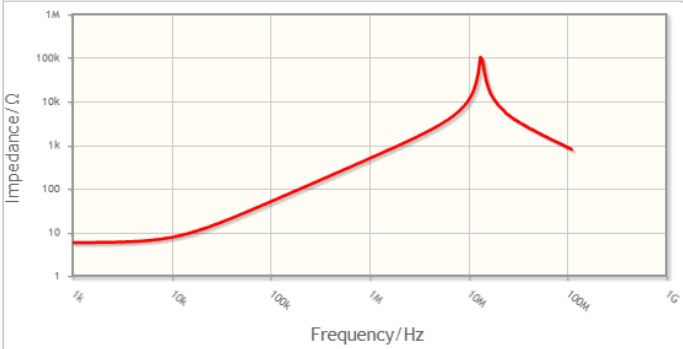
Copyright(c) TDK Corporation. All rights reserved.
Downloaded from Arrow.com.

NL453232T-820J-PF

RoHS

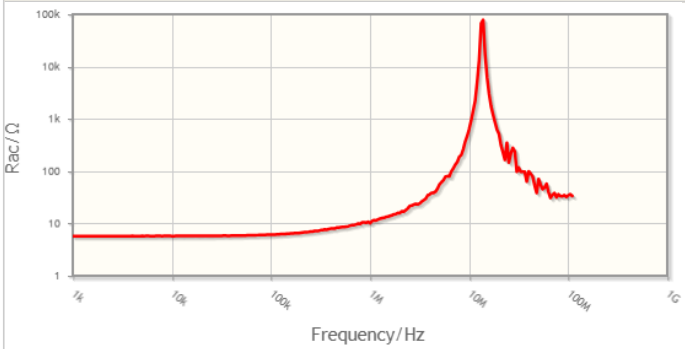
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



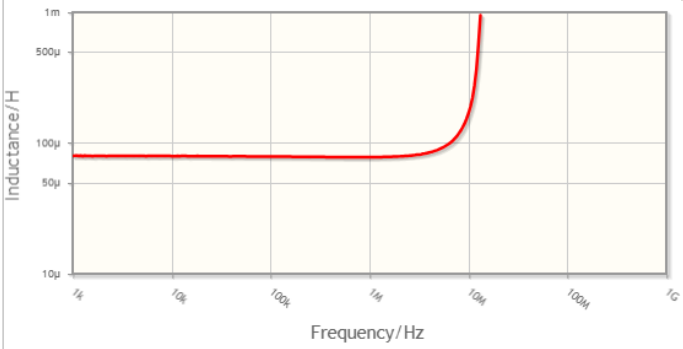
NL453232T-820J-PF

Rac



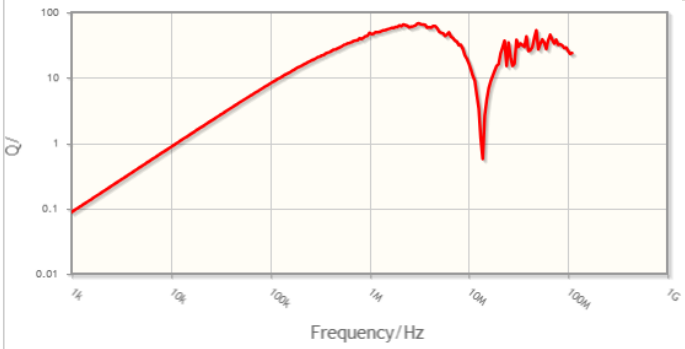
NL453232T-820J-PF

Inductance



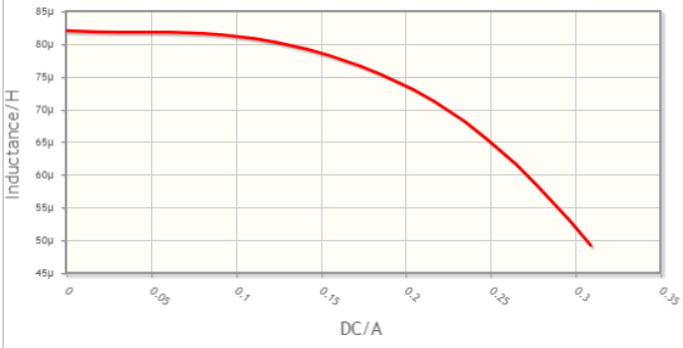
NL453232T-820J-PF

Q



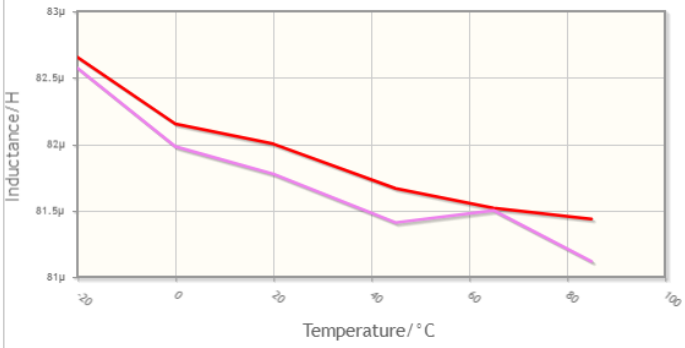
NL453232T-820J-PF

DC Bias Characteristic



NL453232T-820J-PF (Amb. Temp. = 20 °C)

Temperature Characteristic



NL453232T-820J-PF(No Bias) NL453232T-820J-PF(DC Bias = 0.06A)

! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

Copyright(c) TDK Corporation. All rights reserved.
Downloaded from Arrow.com.

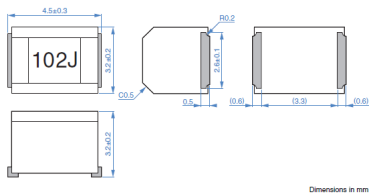
SMD / SMT Inductors (Coils)

NL453232T-820J-PF

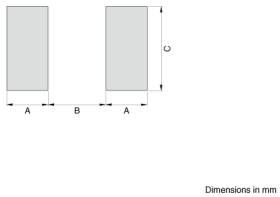
RoHS

Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

Copyright(c) TDK Corporation. All rights reserved.
Downloaded from Arrow.com.