NL453232T-680J-PF



Applications	Commercial Grade	
	No Directivity No Directivity	
Feature	Wire Wound Wire Wound	
	Ferrite Core	
Series Type	NL453232	A70J
Status	Obsolete	AI
	Recommended Alternate Part No. : $\underline{NLV32T-680J-EF}$ (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	68µH ±5% at 2.52MHz	
Rated Current	130mA	
DC Resistance [Typ.]		
DC Resistance [Max.]	6Ω	
Self Resonant Frequency [Min.]	9MHz	
Self Resonant Frequency [Typ.]		
Q [Min.]	50 at 2.52MHz	
Q [Typ.]		

Other				
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 85°C			
	Wave (Flow)			
Soldering Method	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.



NL453232T-680J-PF



 Package Quantity
 500pcs

 Weight
 0.18g

 $!\ \mbox{Images}$ are for reference only and show exemplary products.

! This PDF document was created based on the data listed on the TDK Corporation website.



Impedance

NL453232T-680J-PF

100k

10k

Rac



Impedance/0 1k 1k Rac/0 100 100 10 10 'n $r_{Q_{\mu}}$ 74 100 C_{G} 10 1902 74 °04 10, Frequency/Hz Frequency/Hz NL453232T-680J-PF NL453232T-680J-PF Inductance Q 1m 100 500u 10 Inductance/H 100 0 50µ 0.1 10µ 0.01 74 ⁷04 74 'n 7, $'_{Q_{\mu}}$ $' Q_{\mu}$ 74 'n 'a 10, C_{G} Q. Frequency/Hz Frequency/Hz NL453232T-680J-PF NL453232T-680J-PF **DC Bias Characteristic Temperature Characteristic** 70µ 68.6µ 68.4µ 65µ 68.2µ Inductance/H Inductance/H 60µ 680 55µ 67.8µ 50, 67.6L 45µ 67.4µ 40µ 67.2µ 0, 0.73 ڊ*،* 0.25 0.3 0.35 0 ro Zn ъ 0.03 60 de la DC/A Temperature/°C NL453232T-680J-PF(No Bias) NL453232T-680J-PF(DC Bias = 0.07A) NL453232T-680J-PF (Amb. Temp. = 20 °C)

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

100

10

! Images are for reference only and show exemplary products.

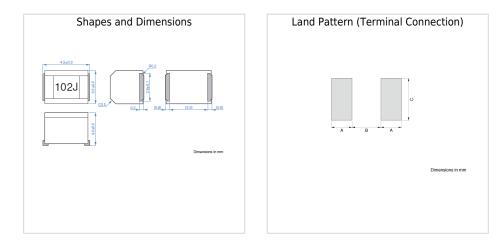
! This PDF document was created based on the data listed on the TDK Corporation website.



NL453232T-680J-PF



Associated Images



 $!\ \mbox{Images}$ are for reference only and show exemplary products.

! This PDF document was created based on the data listed on the TDK Corporation website.