TDK

SMD / SMT Inductors (Coils)

NLCV25T-1R0M-PFR

RoHS Reach Halogen Free

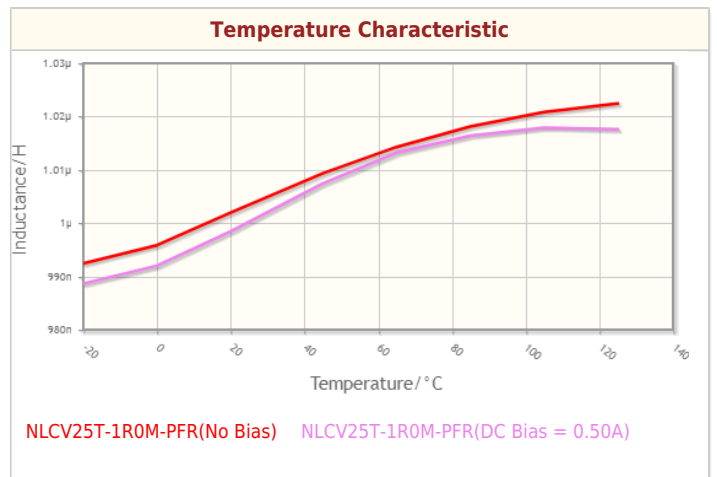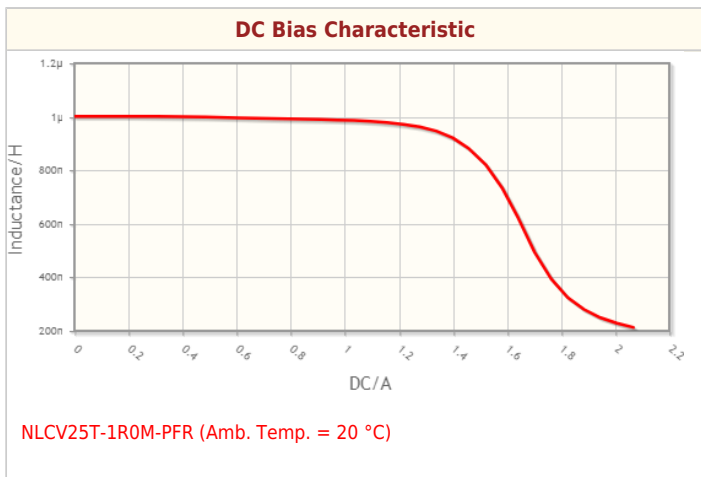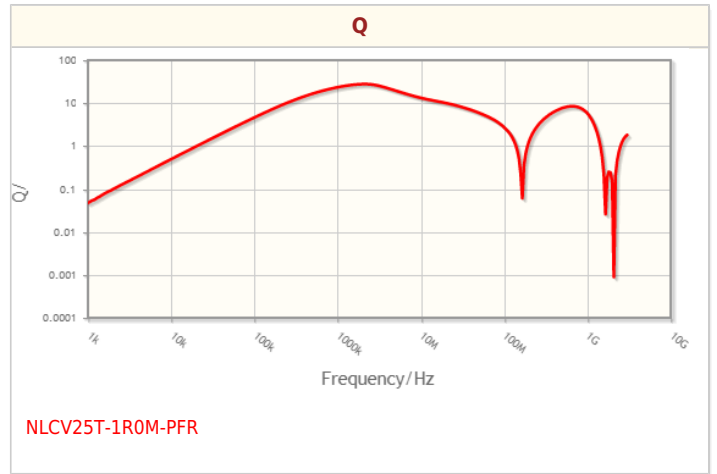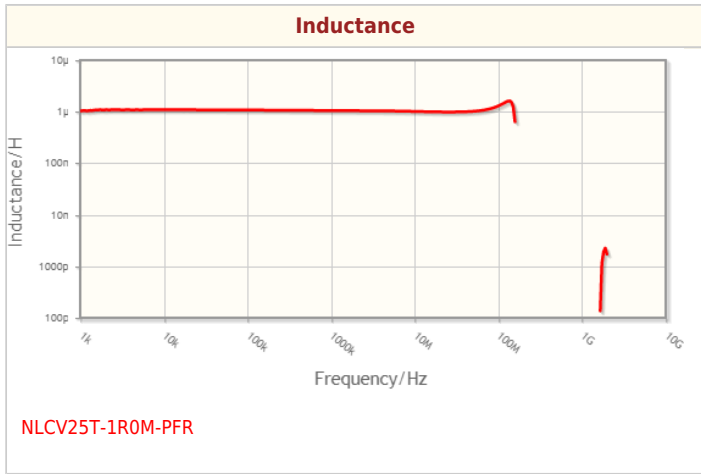|	
Applications	Commercial Grade
Feature	No Directivity No Directivity Wire Wound Wire Wound Ferrite Core Ferrite Core
Series | Type	NLCV25-PFR
Status	⚠ Production (Not Recommended for New Design) Recommended Alternate Part No. : NLCV25T-1R0M-EFR (Interchangeability is not guaranteed.)
Brand	TDK
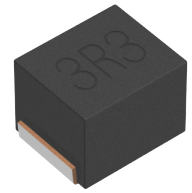
Size	
Length(L)	2.50mm ±0.20mm
Width(W)	2.00mm ±0.10mm
Thickness | Height	1.80mm ±0.10mm
Recommended Land Pattern (A)	1.00mm Nom.
Recommended Land Pattern (B)	1.50mm Nom.
Recommended Land Pattern (C)	1.50mm Nom.

Electrical Characteristics	
Inductance	1µH ±20% at 7.96MHz
Rated Current	1A
DC Resistance [Typ.]	140mΩ
DC Resistance [Max.]	168mΩ
Self Resonant Frequency [Min.]	100MHz
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	10 at 7.96MHz

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 125°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.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

TDK

SMD / SMT Inductors (Coils)

NLCV25T-1R0M-PFR

RoHS Reach Halogen Free

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

Impedance

NLCV25T-1R0M-PFR

Rac

NLCV25T-1R0M-PFR

Inductance

NLCV25T-1R0M-PFR

Q

NLCV25T-1R0M-PFR

DC Bias Characteristic

NLCV25T-1R0M-PFR (Amb. Temp. = 20 °C)

Temperature Characteristic

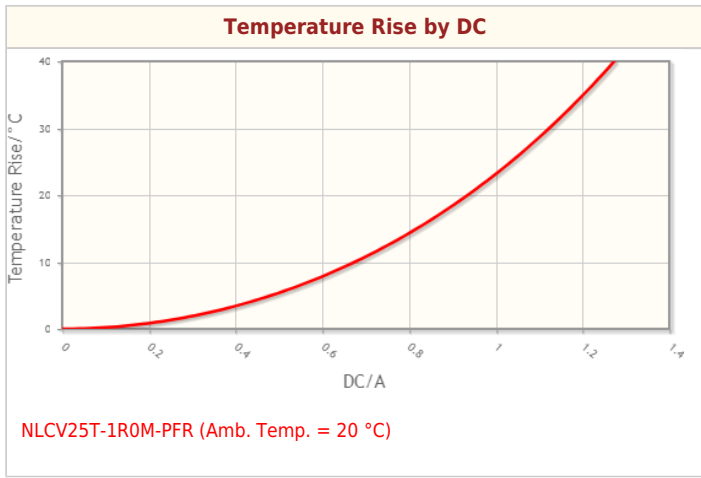NLCV25T-1R0M-PFR(No Bias)   NLCV25T-1R0M-PFR(DC Bias = 0.50A)

! 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.

SMD / SMT Inductors (Coils)

NLCV25T-1R0M-PFR

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

Temperature Rise by DC
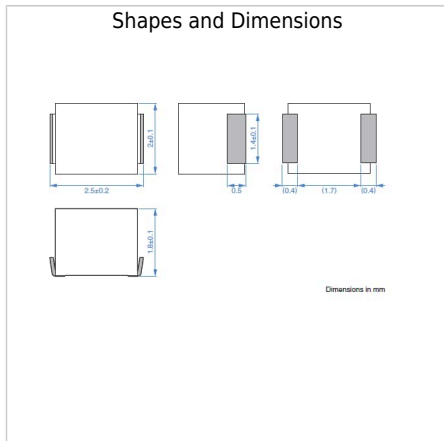

NLCV25T-1R0M-PFR (Amb. Temp. = 20 °C)

! 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.

TDK

SMD / SMT Inductors (Coils)

NLCV25T-1R0M-PFR

4 of 4
Creation Date : December 30, 2021 (GMT)

RoHS Reach Halogen Free

Associated Images

Shapes and Dimensions

Dimensions in mm

Land Pattern (Terminal Connection)

Dimensions in mm

! 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.