

NIC PRODUCT PROFILE

NPIF_C Series

Flat Wire Surface Mount Power Inductor

Description:

NIC Components has extended its surface mount magnetics line to include Flat Wire - High Current Power Inductors.

Stepping away from traditional construction types in ferrite power inductors, the new flat wire - 3 terminal construction provides high saturation current characteristics (up to 19A) without moving to different materials (such as a metal composite).

The NPIF_C's magnetic shielding allow high density mounting while the flat wire winding keeps the overall height to lower profile (4.5mm ~ 5.7mm height) formats covering inductance range of .15uH to 10uH in 4 different size combinations.

Characteristics:

Temperature Range : -40°C ~ +125°C

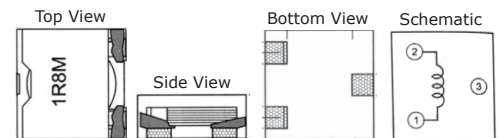
Inductance : 0.15uH ~ 10uH

Inductance Tolerance : ±20%, ±30%

High Isat Current Ratings up to 19 Amps

Low DC Resistance in milli Ohm (mΩ) range

4 Height & Size Cominations



Links to Know...

Series Page:

www.niccomp.com/series/NPIF_C

View all Power Inductors:

www.niccomp.com/products/power

Search NPIF_C and all NIC Power Inductors from the **NIC QuickBUILDER:**

- Part Number Search
- Parametric Search
- Individual Specifications
- Check Distributor Stock
- Get Samples
- Compare Side-by-Side



www.NICcomp.com/QB-Power

**PARTS IN
NIC
QUICK
KIT**



www.NICcomp.com/QK

NPIF_C Series Cross and Replace Reference Guide

NIC	Coilcraft	Sumida	Bourns
NPIF104C (10.4 X 10.4 X 4.5)	***	CDEP104NP	SRP1045
NPIF105C (10.4 X 10.4 X 5.6)	SER1052	CDEP105NP	SRP1055
NPIF125C (12.9 X 12.9 X 5.7)	SER1360	CEP125NP	SRP1206
NPIF134C (13.9 X 13.9 X 5.0)	***	CDEP134NP	***

www.niccomp.com/cross/power

Applications:

- Power Supplies
- Microprocessor Power
- Data Communication Power
- Industrial Control Power
- Wireless Systems Power
- PoL Regulation
- Display and Lighting Drivers

