

# NIC PRODUCT PROFILE

Product Category: Passives; Capacitors; X1 Safety Class; Metalized PP Film

## NPXF Series

### X1 Safety Film Capacitors



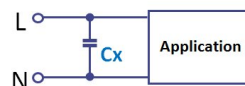
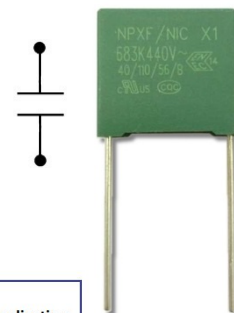
[www.niccomp.com/catalog/npxf.pdf](http://www.niccomp.com/catalog/npxf.pdf)  
[www.niccomp.com/series/NPXF](http://www.niccomp.com/series/NPXF)

NIC Components is pleased to announce the addition of NPXF series of X1 class Safety Capacitors to its expanded family of leaded (LDD) high performance safety agency listed film capacitors. NPXF series expands upon the established NPX & NPXH series of X2 safety capacitors, with higher voltage rating; up to 480VAC, in capacitance value range, from 1000pF to 10uF. NPXF series is intended for use as interference suppression capacitor, used across the AC line and neutral in North America, and L1 to L2 in Europe to suppress differential-mode interference (EMI)

NPXF series utilizes metallized polypropylene film with non-inductive & self-healing wound element construction, for stability under VAC operation, and safe end-of-life failure mode. NPXF series has safety agency listings with UL, cUL, ENEC, CQC for use in across-the-line, radio interference, EMI suppression applications. Molded box type construction meets UL-94V-0 flammability test, and is supported in reduced case sizes, for high density circuit designs.

NPXF series feature wide operating temperature range of -40°C to +110°C, is RoHS compliant with Pb-Free finish. Contact NIC Components today for free samples, or to review your circuit requirements

**X1 = NPXF**  
**X2 = NPX, NPXH**  
**Y1 & Y2 = NPYT**



### Circuit Applications:

- AC Line Filtering
- EMI interference suppression
- Differential-mode EMI suppression
- Across the AC line and neutral
- Across L1 to L2 in Europe

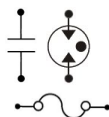
### End Products

- Power supplies
- Industrial equipment
- Motor Controls-Drives
- HVAC equipment
- Pump controllers
- Smart Grid (Metering)
- Security & Alarm
- Office Equipment
- Power Tools
- Networking

### FEATURES & ADVANTAGES:



- Wound Metallized Polypropylene Film
- Self-Healing Construction
- Molded Box Type, UL-94V-0 rated
- Wide Cap Range: 0.001μF ~ 10μF
- High VAC Ratings: 440V & 480VAC
- Safety Listings: UL, cUL, ENEC, CQC
- IEC 60068-1 Climatic category 40/110/56
- Tape and box packaging supported



### Co-sell with NIC Circuit Protection:

- NGT\_5 series of SMT Gas Discharge Tubes
- NFVC\_H 250VAC (up to 5A) SMT Fuses
- NPYT Y1 & Y2 class 500VAC Safety Film Capacitors

### → Cross the below competitor PNs

Competitor	Series
	B32911, B32912
EPCOS - TDK	B32913, B32914
	B32916, B32918
Faratronics	MKP 65
Kemet	R47, PHE844
Vishay	MKP 338/339 X1