

# NIC PRODUCT PROFILE

## NPXI Series

Stability in capacitive power supply applications

### Description:

NPXI series is offered in two constructions; internal series and mono constructions. Both constructions address corona discharge issues, and both are upgrades from standard construction film capacitors.

NPXI series utilizes low loss (DF <0.01%) metallized polypropylene film with non-inductive & self-healing wound element construction, for stability under VAC operation, temperature and safe end of life failure mode.

Capacitance values range from 0.01uF to 10uF with voltage ratings of 300VAC over -40°C to +110°C operating temperature range.

The NPXI series meets IEC 60068-1 climatic category; damp heat, steady state 40/110/56 conditions and has safety agency listings with UL, cUL, ENEC, CGC. Molded box type construction meets UL-94V-0 flammability test, and is supported in reduced case sizes, for high density circuit designs.

### Get More Information:

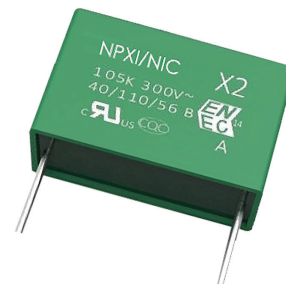
Series Pages: [www.niccomp.com/series/NPXI](http://www.niccomp.com/series/NPXI)

All Inductors: [www.niccomp.com/film](http://www.niccomp.com/film)

All Magnetics: [www.niccomp.com/capacitors](http://www.niccomp.com/capacitors)

### NPXI Series Features & Advantages:

- ◇ Stable performance in voltage dropper applications
- ◇ X2 safety capacitor rated
- ◇ High capacitance values
- ◇ Self-healing
- ◇ Compact & Reduced Case Sizes



### NPXI Co-Sell Products

- ◇ Gas Discharge Tubes (NGTx Series)
- ◇ 250Vac Chip Fuses (NFVC\_H Series)
- ◇ Metal Oxide Varistors (NVH, NVR Series)

### Cross & Replace with NPXI

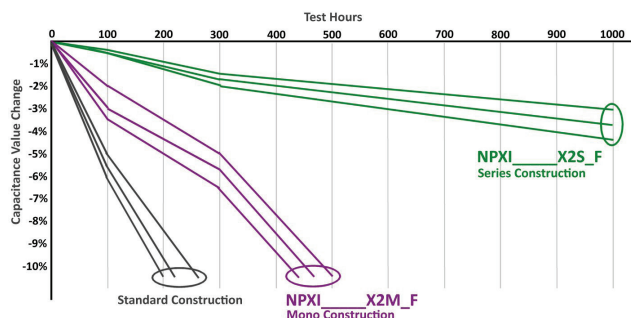
- ◇ TDK (Epcos) MKT AC B32932 ... B32936, MKP B32651 ... B32656
- ◇ MKP-X1 R
- ◇ Kemet F862 Series
- ◇ Vishay F1772 MKP 339 X2
- ◇ Pikor PCX2 347
- ◇ Faratronics C42(E)

### NPXI Suggested Applications

- ◇ Smart grid metering
- ◇ Capacitive power supplies
- ◇ Low current power supplies
- ◇ Appliances
- ◇ LED lighting
- ◇ Relay controls
- ◇ Industrial equipment
- ◇ Motor controls & drives

### Circuit Types:

- ◇ AC line power supplies
- ◇ Voltage dropper circuits
- ◇ Low cost designs
- ◇ Transformer less power



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