

NIC PRODUCT PROFILE

Product Category: Passives; Capacitors; X2 Safety Class; Metalized PP Film

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%) metalized 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, CQC. 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:

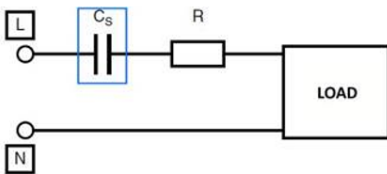
Series Pages: www.niccomp.com/series/NPXi

All Film Capacitors: www.niccomp.com/film

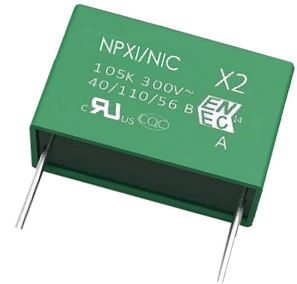
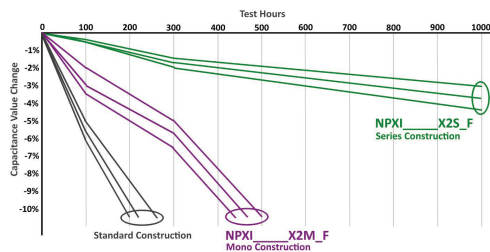
All Capacitors: www.niccomp.com/capacitors

NPXI Series Features & Advantages:

- ◇ Stable performance in voltage dropper applications
- ◇ For "used in series to the mains" (i.e., divide the main voltage)
- ◇ X2 safety capacitor rated
- ◇ High capacitance values
- ◇ Self-healing
- ◇ Compact & Reduced Case Sizes



Low Power Operation: 240VAC
 Example: At 60Hz, a 1.0uF capacitor has reactance of 265Ω. The circuit current is limited to 240V/265Ω = 90 mA



NPXI Co-Sell Products

- ◇ Gas Discharge Tubes (NGTx Series)
- ◇ Power Relays (NRY__ Series)
- ◇ Metal Oxide Resistors (NMO 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
- ◇ Pilkor 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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