

NIC PRODUCT PROFILE

NPYT Series

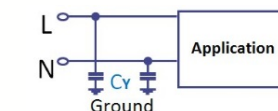
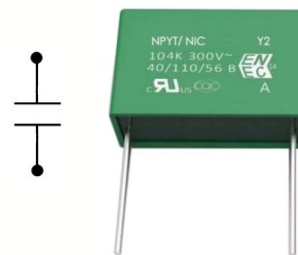
Y2 Safety Film Capacitors



www.niccomp.com/catalog/npyt.pdf

www.niccomp.com/series/NPYT

X1 = NPXF
X2 = NPX, NPXH
Y2 = NPYT



NIC Components is pleased to announce the addition of NPYT series of **Y2 class Safety Capacitors** to its expanded family of leaded (LDD) high performance safety film capacitors. NPYT series expands upon the NIC established X class of safety capacitors (X1, X2), covers capacitance value range of 1000pF to 0.1uF, in 300VAC voltage rating. NPYT series is designed for use connected between Line(L) or Neutral (N) and Ground (G) in North America, and between L-1 or L2 and Ground in Europe, to suppress common mode interference (EMI).

NPYT 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. Y class capacitors suppress common-mode noise (EMI) produced by electronic equipment, preventing the escape of EMI, via the AC line, to connected equipment. Y class capacitors protect users from electrical shock potential, so component reliability is a key requirement.

NPYT series feature wide operating temperature range of -40°C to +110°C and high withstanding voltage capability of 2000VAC or 4000VDC. NPYT series have safety agency listings with UL, cUL, ENEC, CQC for use in line bypass applications. Molded box type construction meets UL-94V-0 flammability test. NPYT series is RoHS compliant, with Pb-Free finish, and has unit pricing ranging from \$0.06 to \$0.15 in production volumes.

Circuit Applications:

- AC Line Filtering
- EMI interference suppression
- Common mode EMI suppression
- AC line or neutral to ground
- L1 or L2 to ground 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

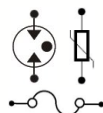
FEATURES & ADVANTAGES:



- Wound Metallized Polypropylene Film
- Self-Healing Construction
- Molded Box Type, UL-94V-0 rated



- Y2 Class Safety Capacitor
- High VAC Rating: 300VAC
- High Withstanding Voltage; 2000VAC or 4000VDC
- 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
- NVR - Metal Oxide Varistors / UL1449 (to 6,500A)

→ Cross the below competitor PNs

Competitor	Series
	B32021 B32033
EPCOS - TDK	B32023 B32024 B32026
Faratronics	MKP 63
Kemet	R41
Vishay	MKP 3386 Y2
Wima	MKP-Y2



Cross & Replacement Support ... tpmg@niccomp.com