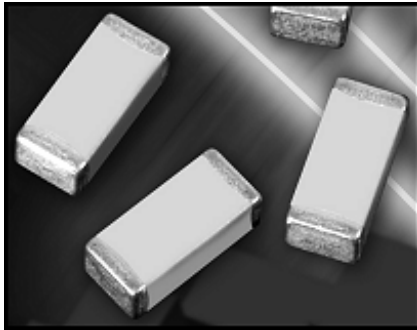


NMC-H (X2/Y3) SERIES



Product Family

High-Voltage Ceramic Chip X2/Y3 Safety Capacitors

Description

3000VDC / 250VAC rated multilayer (MLCC) construction NPO and X7R ceramic chip capacitors for across-the-line, antenna-coupling and line-bypass applications. Safety agency (UL & TUV) certified interference suppression capacitors. This series of multilayer chip capacitors has been certified to capacitor class X2/Y3 by UL [certificate no.E224693] meeting UL1414 and TÜV [certificate no. R 50032756] meeting the requirements of EN 132400: 1994+A2+A3+A4

General Specifications

- Temperature Range: -55°C ~ +125°C
- Capacitance Value Range: 5.0pF ~ 0.0015uF
- Capacitance Tolerance: +/-5% (J) , +/-10% (K)
- Voltage Rating: 3000VDC / 250VAC
- TC: NPO & X7R
- Sizes: 1808 (4.6mm x 2.0mm)

Applications / End-products

Power supplies, AC-DC converters, voltage conditioning and conversion applications. Types of equipment potentially using X2/Y3 interference suppression capacitors includes telecomm (telephone), datacomm (modems, fax machines), computing, industrial controls, radio and TV broadcast, security - alarm, point of sale, test and instrumentation and medical equipment.

Competition

AVX - Kyocera	CF42
JDI - Johanson	302R29
Murata	GA342Q
NovaCap	LS1808

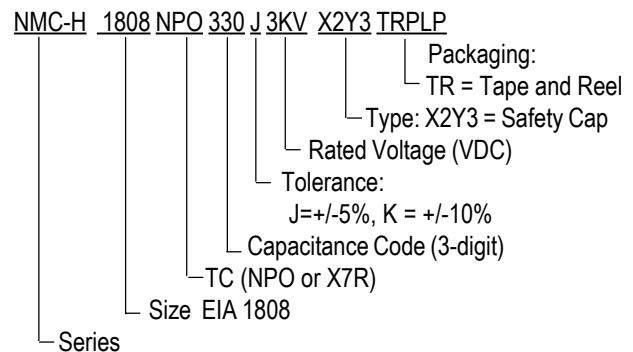
Trends

Migration of printed circuit board designs from leaded to SMT has driven growth of SMT safety capacitors. Smaller end product goals also increase use of ultra-small SMT X2/Y3 safety capacitors in place of larger leaded ceramic and film capacitors.

Key Parameters - Substitutes & Selling Tips

- + Temperature Coefficient ... NPO is better than X7R
- + Tolerance (%)... tighter tolerance is better
... J is better than K
- + Size is 0.18" length by 0.08" width x 0.10" max height
- + These are low profile (low height)
... for high density applications

Part Numbering System



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