

NIC PRODUCT PROFILE

NVT Series

Surface Mount Varistor

DESCRIPTION:

Used as a safety device a varistor suppresses ESD/EMI and protects electric equipment from malfunction and/or breakdown. NIC's NVT provides these protections in addition to extremely low capacitance characteristics, ideal in high speed data applications.



PARTS IN
NIC
QUICK
KIT

www.NICcomp.com/QK

CHARACTERISTICS:

Temperature Range : -40°C ~ +85°C

Working Voltage Rated: 5V ~ 30V

Capacitance (@ 1MHz) : 1pF ~ 300pF

Beta Values: 2610K ~ 4800K

Types: High Speed - Ultra Low Capacitance
Low Speed - Low Capacitance

Sizes: 0402 ~ 0603

Competition

Competition	Replace
AVX	VS
EPCOS	CM, CN, NC
LITTLEFUSE	V_MHS, V_MLA, V_MLE
PANASONIC	EZJZ
TDK	AVR, AVR-M
AMOTECH	AVL

Replace

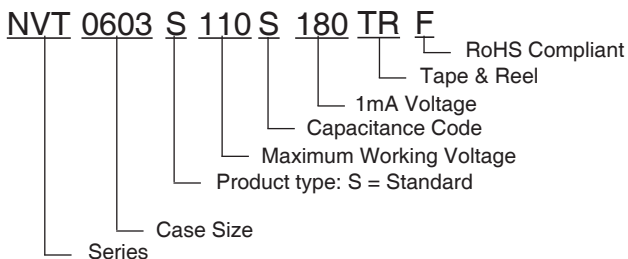
[Visit www.niccomp.com for FULL Cross Reference List]

APPLICATIONS:

- Telecommunications
- Consumer Electronics
- Portable Gaming Devices
- Battery Packs
- LED Modules
- Digital Media
- HDMI
- USB



PART NUMBERING SYSTEM:



Key Parameters - Substitutes & Selling Tips

+ NVT Series

- With the increase in demand for high speed Digital Media such as USB and HDMI proper ESD and EMI suppression is required. This suppression requires extremely low capacitance that the NVT series possesses.
- With increase usage of LEDs the NVT series is a great replacement to currently used Zener Diodes. Because of its non-polarity the NVT varistor can replace 2 Zener diodes reducing the space requirement on a PCB

+ How Varistors Work

- As transient voltage rises, impedance on varistor DROPS causing the destructive energy to be absorbed by the varistor. The destructive energy is converted to heat by the varistor, preventing harm to the protected equipment...

[Visit www.niccomp.com For Performance Data]

NIC Specification Data Sheet @

<http://www.niccomp.com/catalog/nvt.pdf>

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