

SIOV metal oxide varistors

Approvals

Date: April 2026

Approvals

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SIOV varistors have received the following certifications:

Underwriters Laboratories, Inc.

UL 1449 Transient voltage surge suppressors: File E321126

Disk types SIOV-S/ SNF and SIOV-Q

Block types SIOV-B

Strap types SIOV-LS

Disk varistors in housing

- ThermoFuse varistors (ETFV and T series)
- SMD types (SIOV CU varistors)

Note: For UL approvals please search for the TDK type designation at the UL website.

Canadian Standards Association

Class 2221 01 Accessories and Parts for Electronic Products

Metal oxide varistors, for use as across-the-line transient protectors:

Master contract file No. 241 538

Disk types SIOV-S/ SNF and SIOV-Q

Block types SIOV-B, voltage classes $\geq K130$

Strap types SIOV-LS

SMD types (SIOV CU varistors)

IECQ-CECC approval of manufacturer in accordance with IECQ QC-001002-3.

Qualification approval IECQ 101-QA-14 according to IEC 61051-2-2, AT0003

Strap types LS40/ LS41, voltage classes K75 ... K680

Qualification approval IECQ 101-QA-16 according to IEC 61051-2-2, AT0005

Block types B40, voltage classes K75 ... K750

Qualification approval IECQ 101-QA-1 according to IEC 61051-2-2, AT0001

Disk types (SIOV-S/ SNF and SIOV-Q)

Qualification approval IECQ 101-QA-10 according to IEC 61051-2-2, AT0002

Disk varistors in plastic housing (ETFV/ T series)

Qualification approval IECQ 101-QA-15 according to IEC 61051-2-2, AT0004

SMD types (SIOV CU varistors)

Approvals

China Quality Certification Center

GB/T10193-1997, varistors for use in electronic equipment

Part 1: Generic specification

Part 2: Sectional specification

S/ SNF05K-(11 ... 460) / (130E2 ... 300E2)

S/ SNF07K-(11 ... 460) / (130E2 ... 320E2)

S/ SNF10K-(11 ... 680) / (130E2 ... 680E2)

S/ SNF14K-(11 ... 680) / (130E2 ... 680E2)

S/ SNF20K-(11 ... 1000) / (130E2 ... 680E2)

VDE marks license

VDE certification in accordance with IEC61051-1 and IEC61051-2

Disk types (SIOV-S/ SNF and SIOV-Q)