



## **SIOV metal oxide varistors**

### Approvals

Date: December 2007

## Approvals

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SIOV varistors have received the following certifications:

#### Underwriters Laboratories, Inc.

UL 1449 Transient voltage surge suppressors: File E97877

Disk types SIOV-S and SIOV-Q

Block types SIOV-B

Strap types SIOV-LS

Disk varistors in housing

ThermoFuse (ETFV) types

Fail-safe varistors (SFS types)

UL1414 Across-the-line components: File E63802

Type series S05/S07/S10/S14/S20, voltage classes K130 ... K300; for S20 up to K680

Type series LS40K130 ... K750

**Note:** For UL approvals please search for the EPCOS 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 No. 175282

Disk types SIOV-S, voltage classes  $\geq$ K115, and SIOV-Q

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

Strap types SIOV-LS

Fail-safe varistors (SFS types)

#### Schweizerischer Elektrotechnischer Verein SEV (Swiss Electrotechnical Association)

Protection class 1

Degree of protection IP 00

Test requirement CECC 42 200

Test report no. 90.1 02484.02 (approved No. 96,5 51641,01)

Disk types SIOV-S

#### CECC approval of manufacturer in accordance with EN 100114-1

(includes the requirements of EN ISO 9001)

#### Qualification approval according to CECC 42201-004

Disk types (SIOV-S and SIOV-Q)

#### Qualification approval according to CECC 42201-008

Strap types LS40, voltage classes K150 ... K385

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

Disk types (SIOV-S and SIOV-Q)

**China Quality Certification Center**  
**GB/T10193-1997, Varistors for use in electronic equipment**

Part 1: Generic specification

Part 2: Sectional specification

S05K-(11 ... 460) / (130E2 ... 300E2)

S07K-(11 ... 460) / (130E2 ... 320E2)

S10K-(11 ... 680) / (130E2 ... 680E2)

S14K-(11 ... 680) / (130E2 ... 680E2)

S20K-(11 ... 1000) / (130E2 ... 680E2)

**VDE marks license**

Certification in accordance with CECC 42 000, CECC 42 200, CECC 42 201-004

Disk types (SIOV-S and SIOV-Q)