



## VZCA2.E321126 Surge-protective Devices - Component

[Page Bottom](#)

### Surge-protective Devices - Component

[See General Information for Surge-protective Devices - Component](#)

#### EPCOS (ZHUHAI FTZ) CO LTD

E321126

LIAN FENG RD, ZHUHAI FREE TRADE ZONE  
HONGWAN  
WANZAI DISTRICT  
ZHUHAI, GUANGDONG 519030 CHINA

**Surge protective devices**, Varistors, Series SIOV followed by S, SFS, SNF or blank, followed by 10, followed by "J", "K" or "S", followed by 140, 150, 175, 210, 230, 250, 275, 300, 320, 350, 385, 420, 440, 460, 510, 550, 625 or 680, may be followed by additional numbers and/or letters, for SPD other (appliance, ITE, etc.) than SPD applications.

Varistors, Series SIOV followed by S, SFS, SNF or blank, followed by 14, followed by "J", "K" or "S", followed by 140, 150, 175, 210, 230, 250, 275, 300, 320, 350, 360, 385, 420, 440, 460, 510, 550, 625, 680 or 1000; Series SIOV followed by S, followed by FS, NF or blank, 14, followed by "KV", followed by 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 721, 751, 821, 911, 102, 112 or 182, may be followed by additional numbers and/or letters, for SPD Type 3 applications.

Varistors, Series SIOV followed by S, SFS, SNF or blank, followed by 05, followed by "J", "K" or "S", followed by 140, 150, 175, 210, 230, 250, 275, 300, 320, 350, 385, 420, 440, 460 or 575; Series SIOV followed by S, SFS, SNF or blank, followed by 07, followed by "J", "K" or "S", followed by 140, 150, 175, 210, 230, 250, 275, 300, 320, 350, 385, 420, 440, 460, 510, 550 or 625, may be followed by additional numbers and/or letters, for SPD other(appliance, ITE, etc.) than SPD applications.

Varistors, Series SIOV followed by S, SFS or SNF, followed by 20, followed by "J", "K" or "S", followed by 140, 150, 150B, 150B-G5S5K8, 150BR7, 175, 210, 230, 250, 250B, 250BR7, 275, 275B, 275BR7, 275CG5S5K8, 300, 320, 350, 385, 420, 440, 460, 510, 510A, 550, 625 or 680, may be followed by additional numbers and/or letters, for SPD Type 2 SPD applications.

Varistors, Series SIOV followed by S, followed by FS, NF or blank, 10, followed by "KV", followed by 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 721, 751, 821, 911, 102 or 112, may be followed by additional numbers and/or letters, for SPD other(appliance, ITE, etc.) than SPD applications.

Varistors, Series SIOV followed by S, followed by FS, NF or blank, 05, followed by "KV", followed by 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 721, 751, 821 or 911; Series SIOV, followed by S, followed by FS, NF or blank, 07, followed by "KV", followed by 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 721, 751, 821, 911, 102 or 112, may be followed by additional numbers and/or letters, for SPD other(appliance, ITE, etc.) than SPD applications.

Varistors, Series SIOV followed by S, followed by FS, NF or blank, 20, followed by "KV", followed by 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 721, 751, 821, 911, 102 or 112; may be followed by additional numbers and/or letters, for SPD Type 2 SPD applications.

Varistors, Series SIOV followed by S, SFS, SNF or blank, followed by 05, followed by "J", "K" or "S", followed by 11, 14, 17, 20, 25, 30, 35, 40, 50, 60, 75, 95, 115 or 130; Series SIOV followed by S, SFS, SNF or blank, followed by 07, followed by "J", "K" or "S", followed by 11, 14, 17, 20, 25, 30, 35, 40, 50, 60, 75, 95, 115 or 130; Series SIOV followed by S, followed by FS, NF or blank, followed by 10, followed by "J", "K" or "S", followed by 11, 14, 17, 20, 25, 30, 35, 40, 50, 60, 75, 95, 115 or 130; Series SIOV followed by S, followed by FS, NF or blank, followed by 14, followed by "J", "K" or "S", followed by 11, 14, 17, 20, 25, 30, 35 or 40; Series SIOV followed by S, followed by FS, NF or blank, followed by 18, followed by "J", "K" or "S", followed by 130, 140, 150, 175, 210, 230, 250, 275, 300, 320, 385, 420, 440 or 460; Series SIOV, followed by S, followed by FS, NF or blank, followed by 20, followed by "J", "K" or "S", followed by 11, 14, 17, 20, 25, 30, 35, 40, 50, 60, 75 or 95; Series SIOV followed by S or blank, followed by FS, NF or blank, followed by 05, 07 or 10, followed by "KV", followed by 201; Series SIOV followed by S or blank, followed by FS, NF or blank, followed by 18, followed by "KV", followed by 201, 221, 241, 271, 331, 361, 391, 431, 471, 511, 621, 681, 721, 751; Series SIOV followed by S, followed by FS or blank, followed by 10, followed by "J", "K" or "S", followed by 1000; Series SIOV followed by S, followed by FS, NF or blank, followed by S10, followed by "KV", followed by 182; each model may be suffixed by additional numbers and/or letters, for SPD other (appliance, ITE, etc.) than SPD applications.

Varistors, Series SIOV followed by S, followed by FS, NF or blank, followed by: 20, followed by "J", "K" or "S", followed by 115 or 130; Series SIOV followed by S, followed by FS or blank, followed by 20, followed by "J", "K" or "S", followed by 1000; each model may be suffixed by additional numbers and/or letters, for SPD Type 2 SPD applications.

Varistors, Series SIOV followed by S, followed by FS, NF or blank, followed by 18, followed by "J" "K" or "S" followed by 130, followed by "E3"; 18 followed by "KV" followed by 201, followed by "E3" Series SIOV followed by S, followed by FS, NF or blank, followed by 10, followed by "J", "K" or "S", followed by 175, 275, 300, 320, 350, 385, 420, 460, 510, 550, 625 or 680, followed by "E2K1"; 10, followed by "KV", followed by 271, 431, 471, 511, 561, 621, 681, 751, 821, 911, 102 or 112, followed by "E2K1"; Series SIOV followed by S, followed by FS, NF or blank, 14, followed by

"J", "K" or "S", followed by 50, 60, 75, 95, 115 or 130; 14, followed by "KV", followed by 201; each model may be suffixed by additional numbers and/or letters, for SPD Type 3 SPD applications.

Varistors, Series SIOV followed by S, followed by FS, NF or blank, followed by 14, followed by "J", "K" or "S", followed by 130, 140, 150, 175, 210, 230, 250, 275, 300, 320, 350, 385, 420, 460, 510, 550, 625 or 680, followed by "E2K1"; Series SIOV followed by S, followed by FS, NF or blank, followed by 20, followed by "J", "K" or "S", followed by 115, 130, 140, 150, 175, 210, 230, 250, 275, 300, 320, 350, 385, 420, 460, 510, 550, 625 or 680, followed by "E3K1" or "E3"; each model may be suffixed by additional numbers and/or letters, for SPD Type 2 SPD applications.

Varistors, Series SIOV followed by S, followed by FS or blank, 20, followed by "KV", followed by 182, or followed by FS, NF or blank, followed by 20, followed by "KV", followed by 201; 14 followed by "KV", followed by 201, 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 821, 911, 102 or 112, followed by "E2K1"; 20 followed by "KV", followed by 201, 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 821, 911, 102 or 112, followed by "E3K1"; 20 followed by "KV", followed by 201, 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 751, 821, 911, 102 or 112, followed by "E3"; may be followed by additional numbers and/or letters, for SPD Type 2 SPD applications.

Varistors, Model Series SIOV followed by CU, followed by 3225, followed by K, followed by 11, 14, 17, 20, 25, 30, 35, 40, 50, 60, 75, 95, 115, 130, 140, 150, 175, 230, 250, 275 or 300; Series SIOV followed by CU, followed by 4032, followed by K, followed by 11, 14, 17, 20, 25, 30, 35, 40, 50, 60, 75, 95, 115, 130, 140, 150, 175, 230, 250, 275, 300, 460 and 480, each model may be suffixed by additional numbers and/or letters, for SPD other (appliance, ITE, etc.) than SPD applications.

Varistors, Series SIOV, Models: B32, B40 followed by letters J, K or S, followed by suffixes 75, 130, 150, 230, 250, 275, 320, 385, 420, 440, 460, 550, 680, 750, may be followed by additional numbers and/or letters; Model B60 followed by letters J, K or S, followed by suffixes 75, 130, 150, 230, 250, 275, 320, 385, 420, 440, 460, 550, 680, 750, 1000, may be followed by additional numbers and/or letters; Model B80 followed by letters J, K or S, followed by suffixes 130, 150, 230, 250, 275, 320, 385, 420, 440, 460, 550, 680, 750, 1100, may be followed by additional numbers and/or letters for SPD Type 1 SPD application.

Varistors, Series SIOV: Type L or LS, followed by 40, 41 or 42, followed by J, K or S, followed by 75, 130, 140, 150, 175, 180, 230, 250, 270, 275, 320, 350, 360, 385, 420, 440, 460, 510, 550, 580, 600, 680, 750, may be followed by A, B or C, followed by Q, may be followed by E1-E9 incl., followed by L or P, may be followed K00 - K99 incl. or K000 - K999 incl. All types may be prefixed by the letters SIOV- for SPD Type 1 SPD application.

Varistors, Series SIOV Prefixed by SIOV, Type L or LS followed by 50, followed by letters J, K or S, followed by suffixes 130, 150, 175, 180, 230, 250, 275, 320, 385, 390, 420, 440, 460, 550, 580, 680, may be followed by additional numbers and/or letters for SPD Type 1 SPD application.

Varistors, Strap Varistors, Type LS32 or L32 may be followed by J, K or S, followed by 75, 130, 150, 230, 250, 275, 320, 385, 420, 440, 460, 550, 680 or 750, may be followed by A, B or C, followed by P or L, may be followed K00 - K99 incl. or K000 - K999 incl. All types may be prefixed by the letters SIOV- for SPD Type 1 SPD application.

Varistors, Block Varistors, Type L may be followed by S, followed by 3422, followed by J, K or S, followed by 75, 95, 115, 130, 140, 150, 230, 250, 275, 320, 340, 385, 420, 440, 460, 510, 550, 680 or 750, may be followed by additional numbers and/or letters. Type D3422 followed by letters J, K or S, followed by 75, 95, 115, 130, 140, 150, 230, 250, 275, 320, 340, 385, 420, 440, 460, 510, 550, 680 or 750, may be followed by additional numbers and/or letters. All types may be prefixed by the letters SIOV- for SPD Type 1 SPD application.

Bare Disc Ceramic Elements for use in finished varistor products, all may be prefixed by SIOV, Type D32 followed by letters J, K or S, followed by 75, 130, 150, 230, 250, 275, 320, 385, 420, 440, 460, 550, 680 or 750, may be followed by E\$, may be followed by K\*\*, where \$ can any number from 0 to 9 and \*\* can be numbers from 00 to 99, for SPD Type 1 SPD application.




Bare Disc Ceramic Elements for use in finished varistor products, all may be prefixed by SIOV, Type D40 followed by letters J, K or S, followed by 75, 130, 140, 150, 175, 180, 230, 250, 270, 275, 320, 360, 385, 420, 440, 460, 510, 550, 580, 600, 680 or 750, may be followed by additional numbers and/or letters, for SPD Type 1 SPD application.

Varistors, Model S25 followed by Letters J, K, or S, followed by suffixes 115, 130, 140, 150, 175, 210, 230, 250, 275, 300, 320, 350, 385, 420, 440, 460, 510, 550, 625, 680 or 750; Model S25 followed by letters JV, KV or SV, followed by suffixes 181, 201, 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 721, 751, 821, 911, 102, 112 or 122, may be followed by additional numbers and/or letters; for SPD Type 2 SPD applications.

Varistors, Model Q14 followed by "J", "K" or "S", followed by 130, 140, 150, 175, 210, 230, 250, 275, 300, 320, 350, 385, 420, 440, 460, 510, 550, 580, 625 or 680; Model Q20 followed by "J", "K" or "S", followed by 130, 140, 150, 150A, 175, 210, 230, 250, 275, 300, 320, 350, 385, 420, 440, 460, 510, 550, 580, 625 or 680; Model Q14 followed by letters KV, followed by 201, 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 721, 751, 821, 911, 961, 102 or 112; Model Q20 followed by letters KV, followed by 201, 221, 241, 271, 331, 361, 391, 431, 471, 511, 561, 621, 681, 721, 751, 821, 911, 961, 102 or 112, may be followed by additional numbers and/or letters; for SPD Type 2 SPD applications.

**Type 4 Surge Protective Devices for use in Other Applications**, Varistors with integral thermal-links, Cat. Nos. TFV14K115, TFV14K130, TFV14K140, TFV14K150, TFV14K175, TFV14K210, TFV14K230, TFV14K250, TFV14K275, TFV14K300, TFV14K320, TFV14K350, TFV14K385, TFV14K420 may be prefixed by E, may be followed by additional numbers or letters.

**Type 4 Surge Protective Devices for use in Type 3 Applications**, Varistors with integral thermal-links, Cat. Nos. TFV20K50, TFV20K95, TFV20K115, TFV20K130, TFV20K140, TFV20K150, TFV20K175, TFV20K210, TFV20K230, TFV20K250, TFV20K275, TFV20K300, TFV20K320, TFV20K350, TFV20K385, TFV20K420, TFV25K115, TFV25K130, TFV25K140, TFV25K150, TFV25K175, TFV25K210, TFV25K230, TFV25K250, TFV25K275, TFV25K300, TFV25K320, TFV25K350, TFV25K385, TFV25K420 may be prefixed by E, may be followed by additional numbers or letters.

Marking: Company name or trademarks  or  or tradename "EPCOS", series designation and the Recognized Component Mark .

[Last Updated](#) on 2011-03-29

[Questions?](#)

[Print this page](#)

[Notice of Disclaimer](#)

[Page Top](#)

[Copyright ?2011 Underwriters Laboratories Inc.®](#)

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2011 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.

