



**VZCA2.E327997**  
**Surge-protective Devices - Component**

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See General Information for Surge-protective Devices - Component

**BRIGHTKING (SHENZHEN) CO LTD**

E327997

2nd FI Tianan Management Center Bldg

Tian An Cyber Park

Futian District

Shenzhen, Guangdong 518040 CHINA

Effective May 3, 2010

Cat No.	SPD Type	Volts (V)	AC/DC/ DC PV	PH	AMPS (A)	AMB (°C)Min	AMB (°C)Max	MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	In (kA)	SCCR (kA)	NOTES
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HFB-430L%	5	310	AC	1	n/a	-	85	Ld-Ld	-	580	310	n/a	5	n/a	1
HFC-430L%	5	310	AC	1	n/a	-	85	Ld-Ld	-	620	310	n/a	10	n/a	1

**Notes:**

1. Suitable for Factory wiring only.
2. Suitable for Field and Factory wiring.
3. Series External Impedance required, see Electrical Ratings in the Recognition report.
4. Series External Overcurrent Protection required, see Electrical Ratings in the Recognition report.
5. Body of discrete component metal-oxide varistors (MOVs) flammability:
  - a) Min. V-0 or VTM-0.
  - b) Min. V-1 or VTM-1.
  - c) Complies with IEC 60950-1, Edition 2.2, Annex Q/IEC62368-1 Annex G.8.2 needle flame testing requirements.
  - d) Complies with IEC 60065, Edition 7.2, Annex G.1.1 needle flame testing requirements.

SPDs investigated for Type 1 applications are automatically suitable for Type 2 applications and may be marked for SPD Type 1 and/or Type 2 applications. SPDs only marked "SPD Type 2" are not suitable for Type 1 applications.

Where a minimum ambient temperature is not specified, assume 0°C unless the product is marked otherwise or with an Outdoor use Environmental Rating. See Electrical Equipment for Use in Ordinary Locations (AALZ) for details regarding Environmental Ratings.

# - May be followed by A thru Z or 0 thru 9.

% - All models may be prefix or/and suffix with A thru Z or/and 0 thru 9 or/and any symbol, numbers, letters, except #, (a), +

(\$) - (\$) represents K, H, M, O, P, W, Z, Y or blank

(&) - (&) represents F, S, E, T, A, B, N, C, L or blank

(@) - (@) represents K, H, M, O, P, W, Z, Y, F, S, E, T, A, B, N, C, L or blank




(a) - All models may be prefixed by trademark and/or followed by A thru Z or 0 thru 9.

(B) - (B) represent M, N or E.

\* - Each model may be prefixed by "ZOV" and/or suffixed by "X", where "X" may be blank, any character from A to Z or any number from 0

to 9.

+ - May be followed by X, where X= 0 thru 9; all models may be prefix or/and suffix with A thru Z or/and 0 thru 9.

Marking: Company name or trademark  ,  , model designation and the Recognized Component Mark,  on the product or on the smallest unit container in which the product is packaged.

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