



浙江芯芯电子有限公司
ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

产品规格书

Specification of Products

产品名称：桥式整流器

产品型号：KBPC50A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

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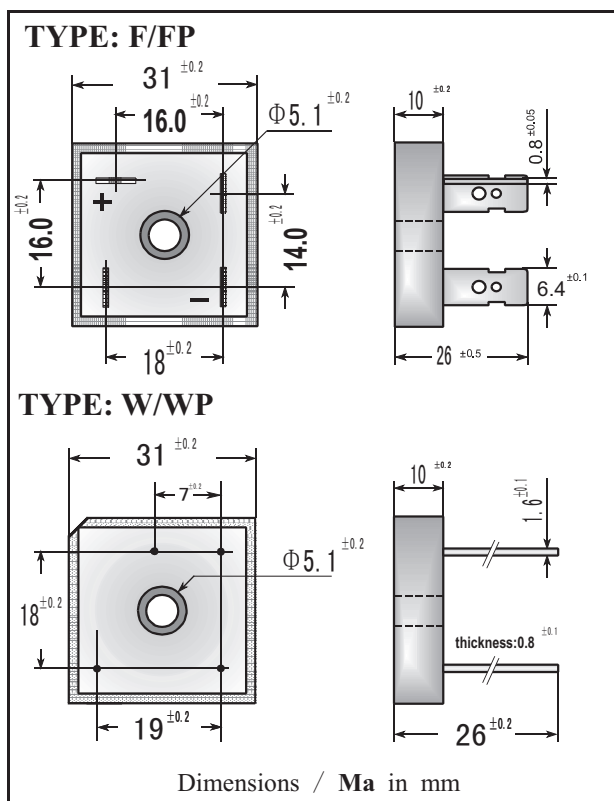
<http://www.zjxxdz1.com>

拟制	审核	核准
丁国盛	李园利	麻伟阳

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Silicon-Bridge Rectifiers

KBPC 50A



Nominal current 50 A

Alternating input voltage 70-1000 V

Plastic case with alu-bottom (Index P)

Dimensions 28 x 28 x 8.8 [mm]

Weight approx. 23 g

Standard packaging bulk

Maximum ratings

Grenzwerte

Type	Alternating input volt. V_{VRMS} [V]	Rep. peak reverse voltage V_{RRM} [V]
KBPC5001	70	100
KBPC5002	140	200
KBPC5004	280	400
KBPC5006	420	600
KBPC5008	560	800
KBPC5010	700	1000
KBPC5012	800	1200
KBPC5014	900	1400
KBPC5014	1000	1600

Repetitive peak forward current $f > 15 \text{ Hz}$ I_{FRM} 150 A

Peak forward surge current, 50Hz half sine-wave $T_A = 25^\circ \text{C}$ I_{FRM} 500 A

Rating for fusing, $t < 10 \text{ ms}$ $T_A = 25^\circ \text{C}$ $i^2 t$ 1250 A²s

Operating junction temperature T_j -40...+150°C

Storage temperature T_s -40...+150°C

Silicon-Bridge Rectifiers

KBPC 50A

Characteristics

Kennwerte

Max. current with cooling fin 300 cm ²	$T_A=50^{\circ}\text{C}$	R-load	I_{FAV}	50.0 A
Forward voltage	$T_j=25^{\circ}\text{C}$	$I_F=25\text{A}$	V_F	$< 1.2 \text{ V}$
Leakage current	$T_j=25^{\circ}\text{C}$	$V_R=V_{\text{RRM}}$	I_R	$< 10 \mu\text{A}$
Isolation voltage terminals to case			V_{ISO}	$> 2500 \text{ V}$
Thermal resistance junction to case			R_{thC}	$< 2.0 \text{ K/W}$
Admissible torque for mounting		M 5		$2 \pm 10 \% \text{ Nm}$

