



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：KBPC25A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

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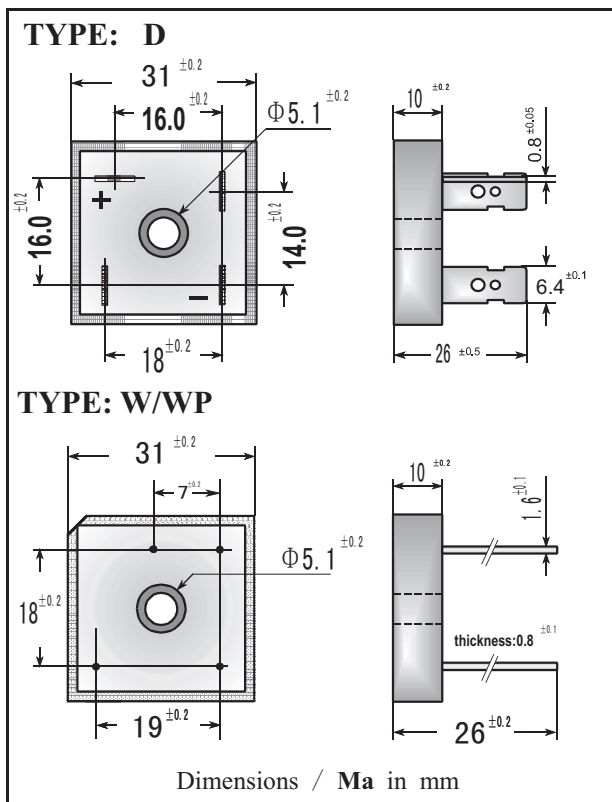
<http://www.zjxxdz1.com>

拟制	审核	核准
丁国盛	李园利	麻伟阳

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Silicon-Bridge Rectifiers

KBPC 25A



Nominal current 25 A

Alternating input voltage 70-1000 V

Plastic case with alu-bottom (Index P)

Dimensions 31 x 31 x 10 [mm]

Weight approx. 24 g

Standard packaging bulk

Maximum ratings

Grenzwerte

Type	Alternating input volt. V_{VRMS} [V]	Rep. peak reverse voltage V_{RRM} [V]
KBPC2501	70	100
KBPC2502	140	200
KBPC2504	280	400
KBPC2506	420	600
KBPC2508	560	800
KBPC2510	700	1000
KBPC2512	800	1200
KBPC2514	900	1400
KBPC2514	1000	1600

Repetitive peak forward current $f > 15 \text{ Hz}$ I_{FRM} 60 A

Peak forward surge current, 50Hz half sine-wave $T_A = 25^\circ \text{C}$ I_{FRM} 250 A

Rating for fusing, $t < 10 \text{ ms}$ $T_A = 25^\circ \text{C}$ $i^2 t$ 312 A²s

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

Storage temperature T_s -40...+150°C

Silicon-Bridge Rectifiers

KBPC 25A

Characteristics

Kennwerte

Max. current with cooling fin 300 cm ²	T _A =50°C	R-load	I _{FAV}	25.0 A
Forward voltage	T _j =25°C	I _F =12.5A	V _F	< 1.2 V
Leakage current	T _j =25°C	V _R =V _{RRM}	I _R	< 10 μ A
Isolation voltage terminals to case			V _{ISO}	>2500 V
Thermal resistance junction to case			R _{thC}	< 2.0 K/W
Admissible torque for mounting		M 5		2 ± 10 % Nm

