



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：KBPC70A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

地址：浙江省缙云县壶镇镇浙江丽缙五金科技产业园苍山区块内

电话：13857067071

邮编：321404

E-mail:247145749@qq.com

<http://www.zjxxdz1.com>

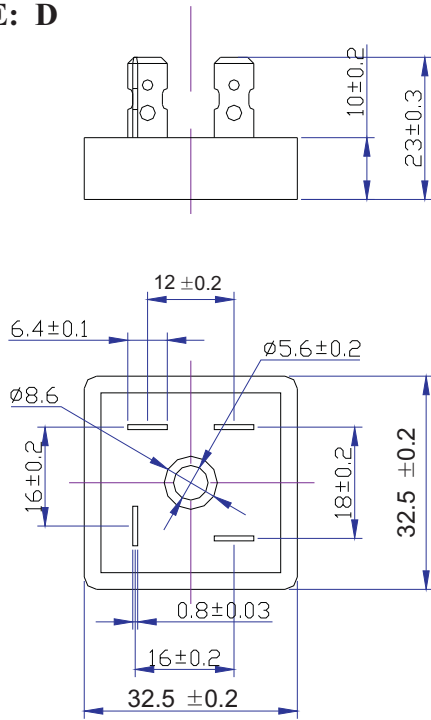
拟制	审核	核准
丁国盛	李园利	麻伟阳

版本号：04 更新日期：2022.6.28

Silicon-Bridge Rectifiers

KBPA7001 KBPC 7016

TYPE: D



Dimensions / **Ma** in mm

Nominal current 70 A

Alternating input voltage 70-1000 V

Plastic case with alu-bottom (Index P)

Dimensions 32.5 x 32.5 x 10 [mm]

Weight approx. 36 g

Standard packaging bulk

Maximum ratings

Grenzwerte

Type	Alternating input volt. V_{VRMS} [V]	Rep. peak reverse voltage V_{RRM} [V]
KBPC7001	70	100
KBPC7002	140	200
KBPC7004	280	400
KBPC7006	420	600
KBPC7008	560	800
KBPC7010	700	1000
KBPC7012	800	1200
KBPC7014	900	1400
KBPC7016	1000	1600

Repetitive peak forward current $f > 15 \text{ Hz}$ I_{FRM} 210 A

Peak forward surge current, 50Hz half sine-wave $T_A = 25^\circ \text{C}$ I_{FRM} 700 A

Rating for fusing, $t < 10 \text{ ms}$ $T_A = 25^\circ \text{C}$ $i^2 t$ 1750 A²s

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

Storage temperature T_s -40...+150°C

Silicon-Bridge Rectifiers

KBPA7001 KBPC 7016

Characteristics

Kennwerte

Max. current with cooling fin 300 cm ²	$T_A=50^{\circ}\text{C}$	R-load	I_{FAV}	70.0 A
Forward voltage	$T_j=25^{\circ}\text{C}$	$I_F=25\text{A}$	V_F	< 1.2 V
Leakage current	$T_j=25^{\circ}\text{C}$	$V_R=V_{\text{RRM}}$	I_R	< 10 μA
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		$2 \pm 10\%$ Nm

