



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

产品规格书

Specification of Products

产品名称：桥式整流器

产品型号：SKBPC50A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTRICAL CO., LTD.

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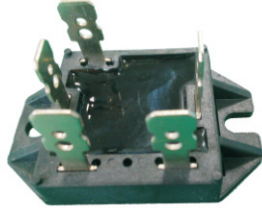
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丁国盛	李园利	麻伟阳

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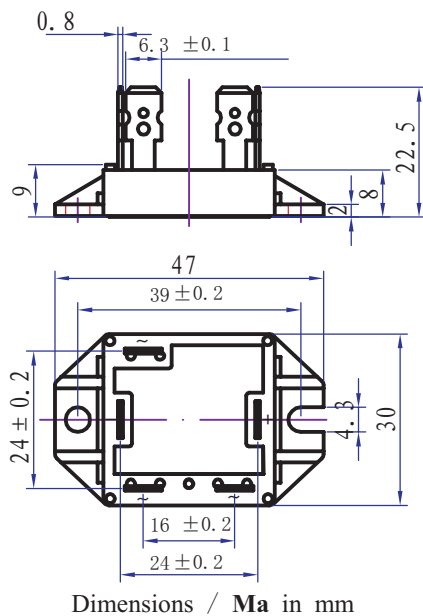
Silicon-Bridge Rectifiers

SKBPC 50A

Product Picture:



TYPE: SKBPC35A



Nominal current 50 A

Alternating input voltage 1000-1600 V

Dimensions 47 x 30 x 9 [mm]

Weight approx. 18 g

Standard packaging bulk

Maximum ratings

Grenzwerte

Type	Alternating input volt. V_{VRMS} [V]	Rep. peak reverse voltage V_{RRM} [V]	Surge peak reverse voltage V_{RSM} [V]
SKBPC5010	600	1000	1200
SKBPC5012	800	1200	1400
SKBPC5016	1000	1600	1800
Repetitive peak forward current		$f > 15 \text{ Hz}$	I_{FRM} 84 A
Peak forward surge current, 50Hz half sine-wave		$T_A = 25^\circ \text{C}$	I_{FSM} 233 A
Rating for fusing, $t < 10 \text{ ms}$		$T_A = 25^\circ \text{C}$	$i^2 t$ 272 A ² s
Operating junction temperature			T_j -40...+150°C
Storage temperature			T_s -40...+150°C

Silicon-Bridge Rectifiers

SKBPC 50A

Characteristics

Kennwerte

Max. current with cooling fin 300 cm ²	$T_A=50^{\circ}\text{C}$	R-load	IFAV	50 A
Forward voltage	$T_j=25^{\circ}\text{C}$	$I_F=11.5\text{A}$	V _F	< 1.2 V
Leakage current	$T_j=25^{\circ}\text{C}$	$V_R=V_{RRM}$	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 4	2 ± 10 %	Nm

