



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：三相整流桥模块

产品型号：SQL5010

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTRICAL CO., LTD.

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拟制	审核	核准
丁国盛	李园利	麻伟阳

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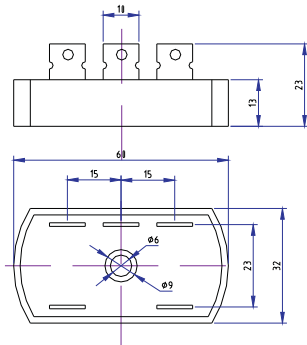
Silicon-Bridge Rectifiers

SQL 5010

Product Picture:



TYPE: SQL5010



Dimensions / **Ma** in mm

Nominal current 50 A

Alternating input voltage 1000-1600 V

Plastic case with alu-bottom (Index P)

Dimensions 32 x 60 x 13 [mm]

Weight approx. 46 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]
SQL5010	600	1000	1200
SQL5012	800	1200	1400
SQL5016	1000	1600	1800
Repetitive peak forward current		$f > 15 \text{ Hz}$	I_{FRM} 120 A
Peak forward surge current, 50Hz half sine-wave		$T_A = 25 \text{ }^\circ\text{C}$	I_{FRM} 333 A
Rating for fusing, $t < 10 \text{ ms}$		$T_A = 25 \text{ }^\circ\text{C}$	$i^2 t$ 555 A ² s
Operating junction temperature			T_j -40...+150°C
Storage temperature			T_s -40...+150°C

Silicon-Bridge Rectifiers

SQL 5010

Characteristics

Kennwerte

Max. current with cooling fin 300 cm ²	T _A =50°C	R-load	I _{FAV}	50.0 A
Forward voltage	T _j =25°C	I _F =16.5A	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

