



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：可控硅模块

产品型号：SKKH72A/16E

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

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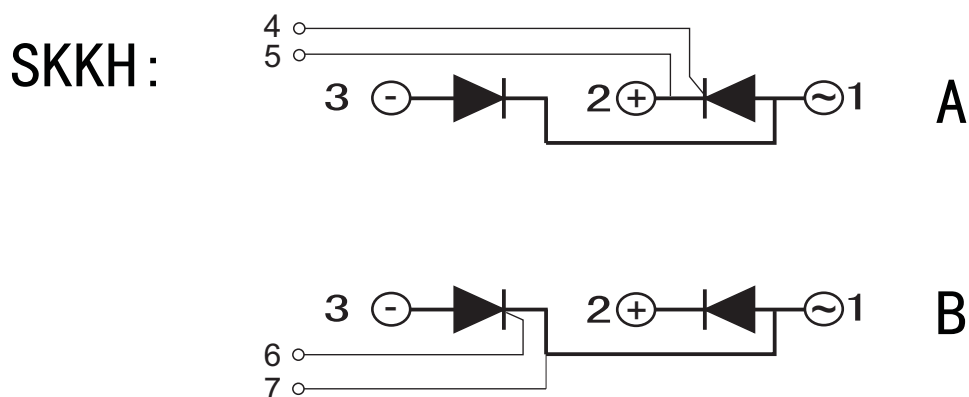
<http://www.zjxxdz1.com>

拟制	审核	核准
丁国盛	李园利	麻伟阳

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SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _j (°C)	VALUE			UNIT
				Min	Type	Max	
I _{T(AV)}	Mean on-state current	180° half sinewave 50Hz Single side cooled, T _j =85°C	125			72	A
I _{T(RMS)}	RMS on-state current	Single side cooled, T _j =85°C	125			113	A
V _{DRM} V _{RRM}	Repetitive peak on-state voltage Repetitive peak reverse voltage	V _{DRM} &V _{RRM} tp=10ms V _{DSM} &V _{RSM} = V _{DRM} &V _{RRM} +200V respectively	125		1600	1800	V
I _{DRM} I _{RRM}	Repetitive peak current	at V _{DRM} at V _{RRM}	125			12	mA
I _{TSM}	Surge on-state current	10ms half sinewave	125			1.45	KA
I ² t	I ² T for fusing coordination	V _R =60%V _{RRM}				10.5	A ² s*10 ³
V _{TO}	Threshold voltage		125			0.90	V
r _T	On-state slop resistance					3.5	mΩ
V _{TM}	Peak on-state voltage	I _{TM} =51A	125			1.40	V
dv/dt	Critical rate of rise of off-state voltage	V _{DM} =67%V _{DRM}	125			1000	V/μs
di/dt	Critical rate of rise of on-state current	From 67%V _{DRM} to 210A, Gate source 1.5A t _r ≤ 0.5 μs Repetitive	125			150	A/μs
I _{GT}	Gate trigger current	V _A =12V, I _A =1A	25	30		150	mA
V _{GT}	Gate trigger voltage			0.8		1.8	V
I _H	Holding current			20		100	mA
V _{GD}	Non-trigger gate voltage	At 67%V _{DRM}	125			0.25	V
R _{th(j-c)}	Thermal resistance Junction to heatsink	At 180° sine Single side cooled				0.280	°C /W
V _{iso}	Isolation voltage	50Hz, RM. S, t=1min, i _{so} : 1mA MAX)		2500			V
F _m	Thermal connection torque(M5)				2.0		N.m
	Mounting torque(M6)				3.0		N.m
T _{stg}	Stored temperature			-40		150	°C
W _t	Weight				122		g
Outline							

OUTLINE DRAWING & CIRCUIT DIAGRAM



Rating and Characteristic

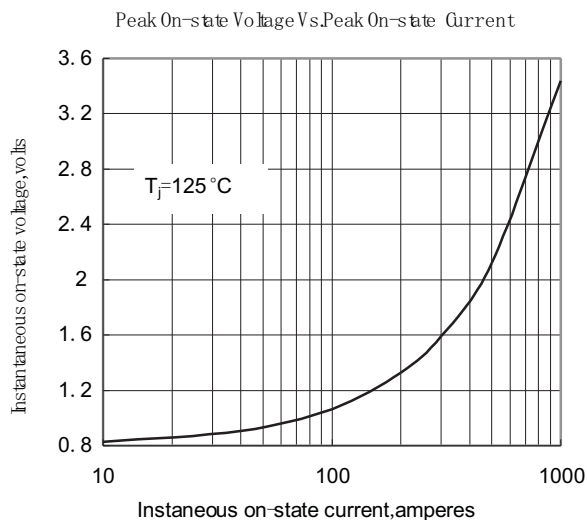


Fig. 1

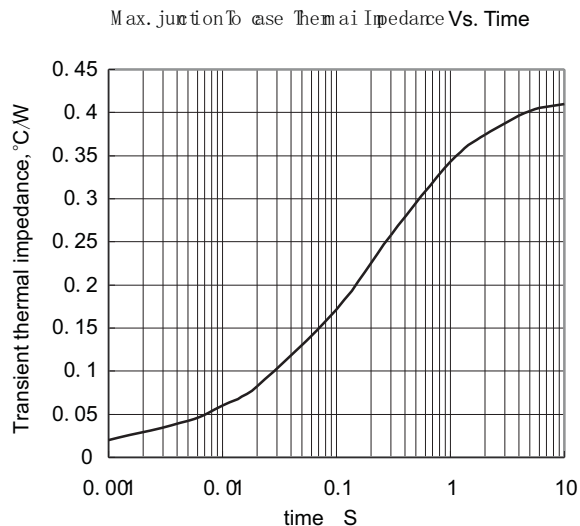


Fig. 2

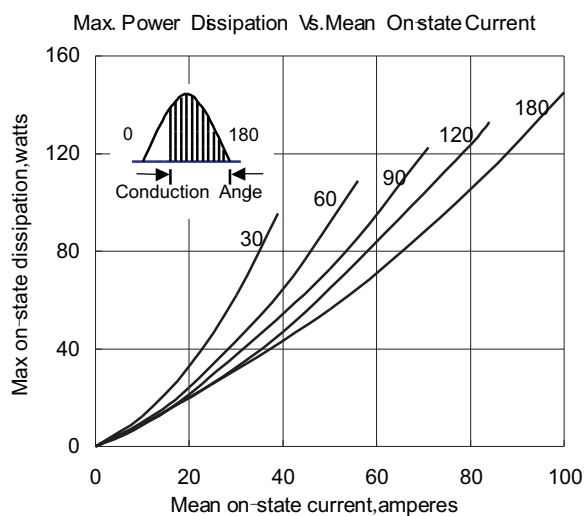


Fig. 3

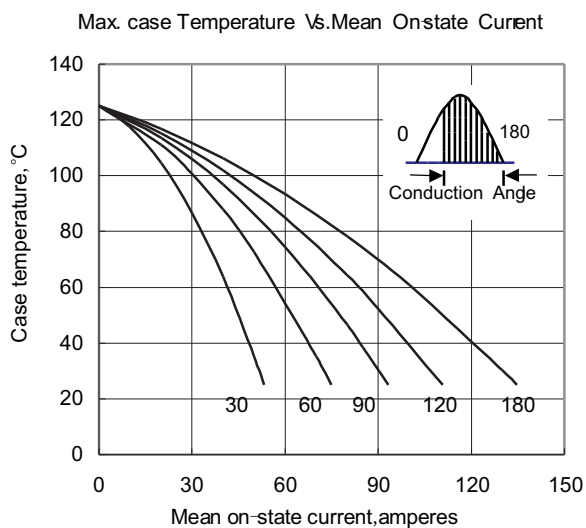


Fig. 4

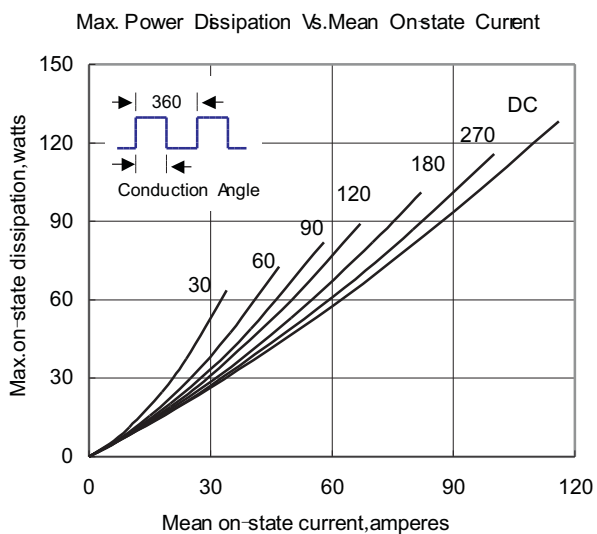


Fig. 5

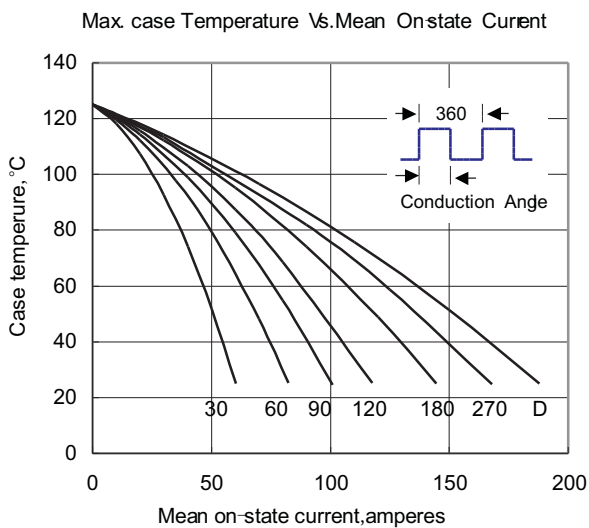


Fig. 6

Rating and Characteristic

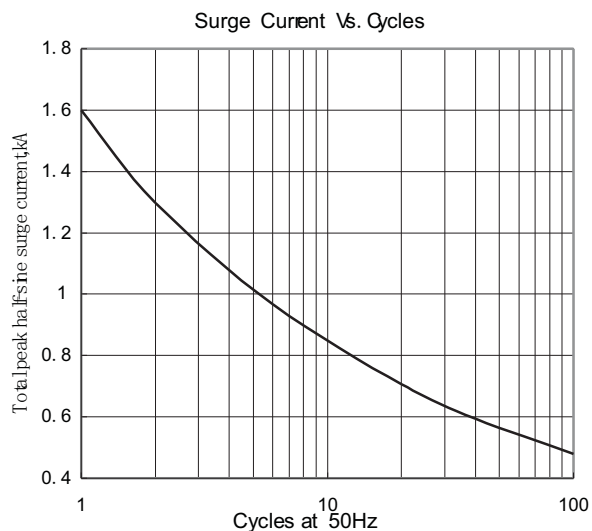


Fig. 7

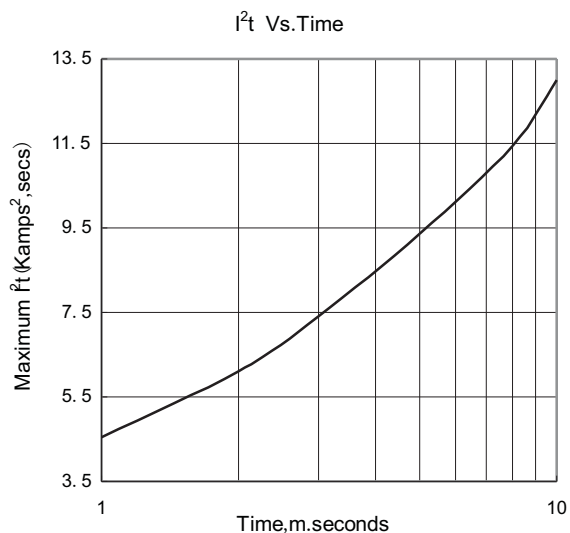


Fig. 8

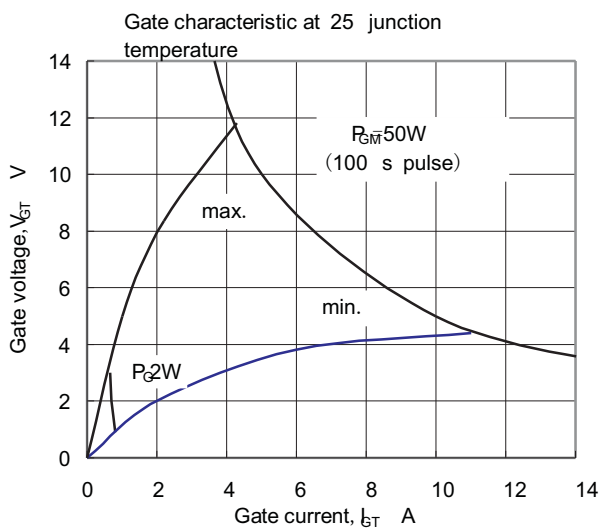


Fig. 9

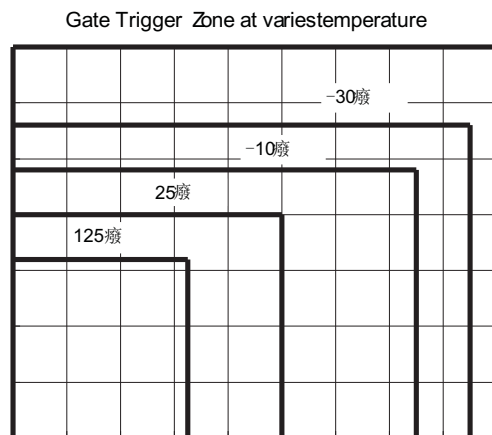


Fig. 10

缙云县正扬电子厂
JIN YUN ZHENG YANG ELECTRONICS FACTORY

Technical drawing of a mechanical part, likely a bracket or base plate, showing dimensions in millimeters. The part features a central section with three mounting points, each consisting of a cylindrical component (possibly a bolt or nut) and a flange. The distance between the centers of these mounting points is 20 mm. The overall width of the part is 36 mm. The height of the central section is 28.5 mm. The base of the part has a thickness of 8 mm. The part is shown in a perspective view, with dashed lines indicating hidden internal features.

