



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：螺栓型晶闸管

产品型号：KP500A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

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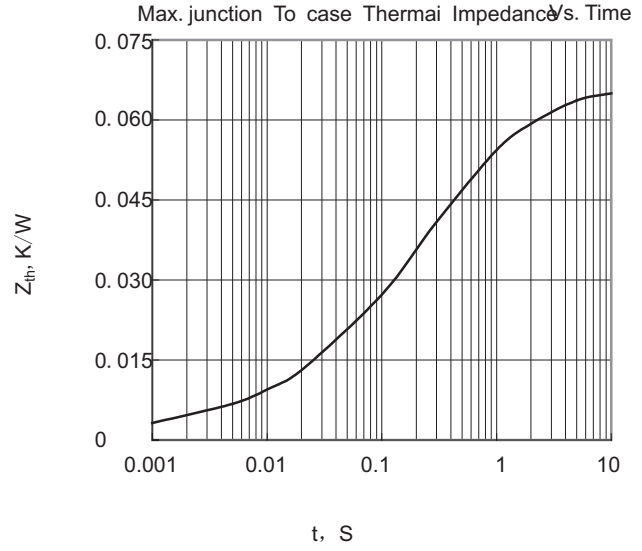
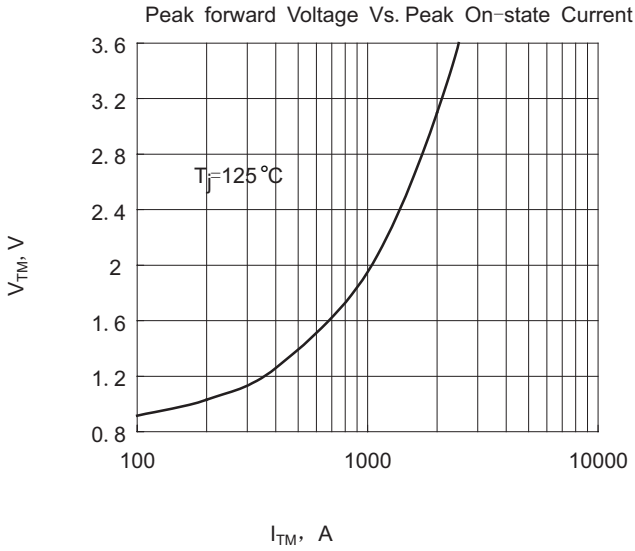
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PHASE CONTROL THYRISTORS

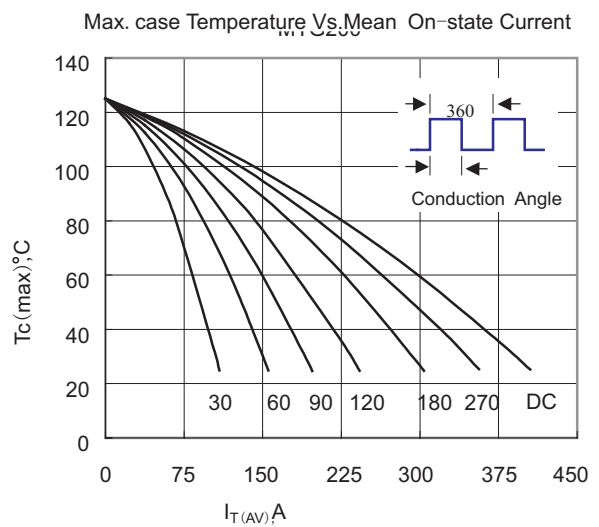
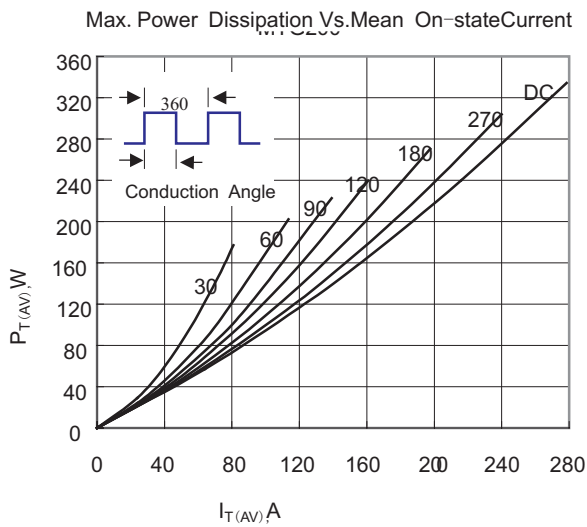
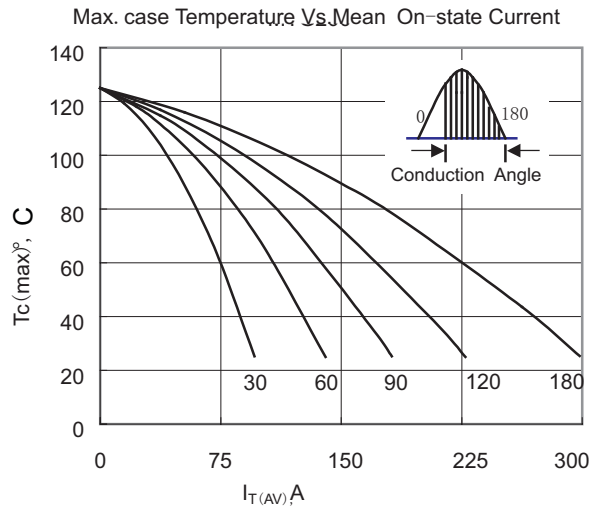
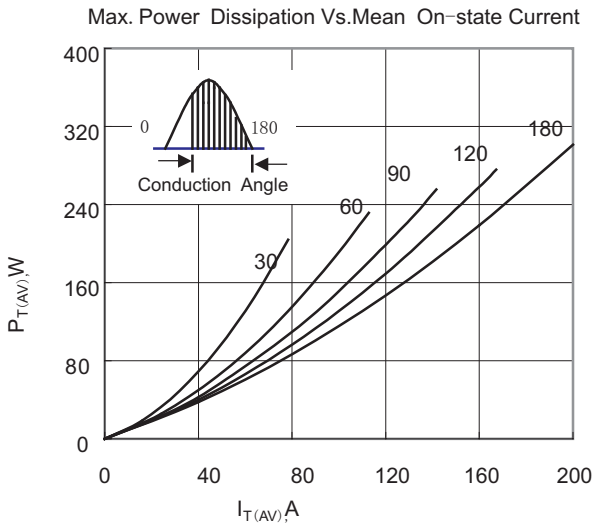
SYMBOL	CHARACTERISTIC	TEST CONDITONS	T _j (°C)	VALUE			UNIT
				Min	Type	Max	
I _{T(AV)}	Mean on-state current	180° half sinewave 50Hz single side cooled, T _c =90°C	125			500	A
I _{T(RMS)}	RMS on-state current		125			785	A
V _{DRM} V _{RRM}	Repetitive peak off-state voltage Repetitive peak reverse voltage	V _{DRM} &V _{RRM} tp=10ms V _{DsM} &V _{RSM} = V _{DRM} &V _{RRM} +200V	125	800		1800	V
I _{DRM} I _{RRM}	Repetitive peak current	at V _{DRM} at V _{RRM}	125			20	mA
I _{TSM}	Surge on-state current	10ms half sine wave	125			16.5	KA
I ² T	I ² T for fusing coordination	V _R =60%V _{RRM}				1300	A ² s*10 ³
V _{TO}	Threshold voltage		125			0.80	V
r _T	On-state slop resistance					1.15	mΩ
V _{TM}	Peak on-state voltage	I _{TM} =1500A	125			1.80	V
dv/dt	Critical rate of rise of off-state voltage	V _{DM} =67%V _{DRM}	125			800	V/μs
di/dt	Critical rate of rise of off-state current	GATE SOURCE 1.5A , tr≤1 μs	125			100	A/μs
I _{GT}	Gate trigger current			30		150	mA
V _{GT}	Gate trigger voltage	V _A =12V, I _A =1A		0.7		2.5	V
I _H	Holding current			20		100	mA
V _{GD}	Non-trigger gate voltage	At 67%V _{DRM}	125			0.2	V
R _{th(j-c)}	Thermal resistance junction heatsink	single side cooled				0.065	°C/W
F _m	Thermal connection torque				45		N.m
T _{stg}	Stored temperature			-40		125	°C
Wt	Weight				940		g
Outline							

PHASE CONTROL THYRISTORS

Rating and Characteristic

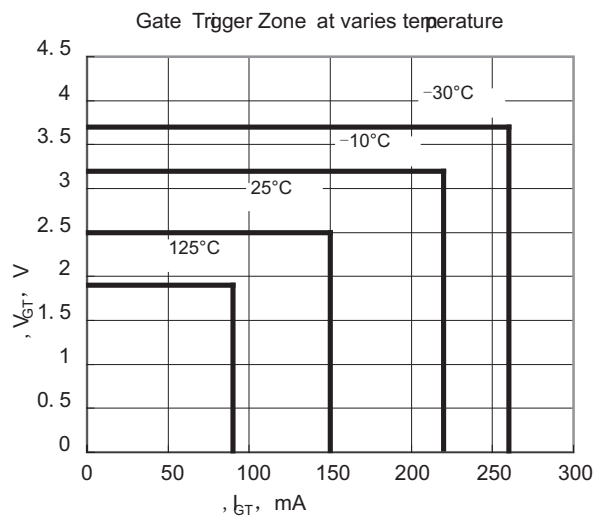
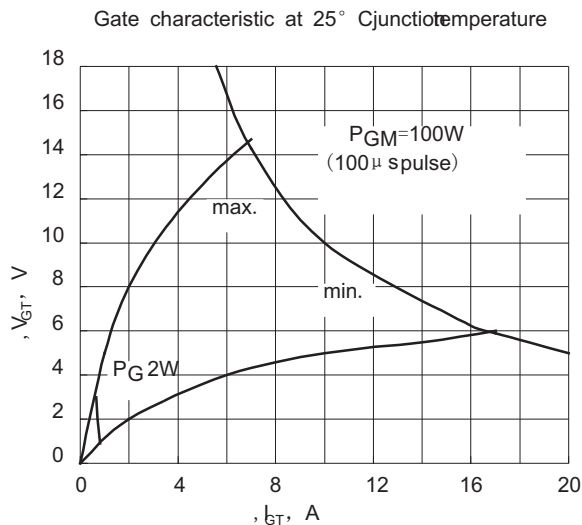
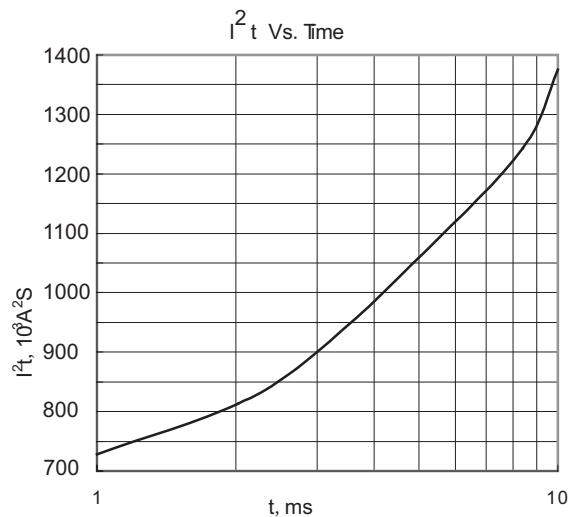
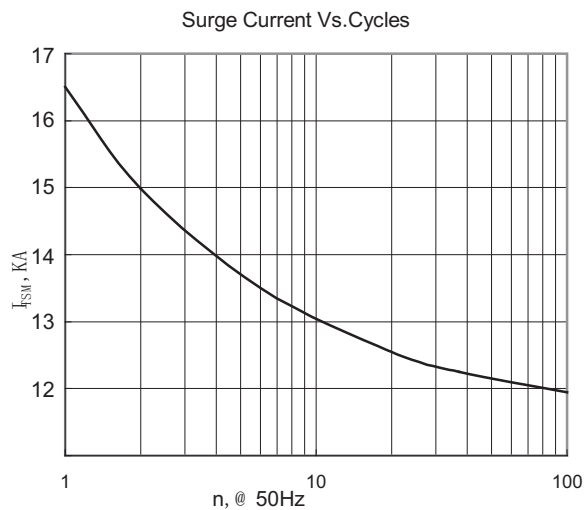


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PHASE CONTROL THYRISTORS

Rating and Characteristic



OUTLINE :

