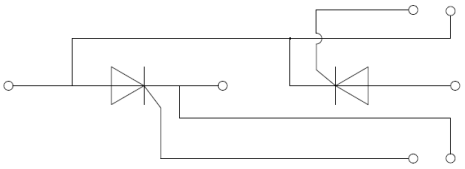
@Yd Zja K J gf a mjYlagf afl jYl
af Ykaf d hY cY
@a l je Yd gf m lanaq : afkmdYlagf gj p dd fl
Yl akkanYlagf
NY mme kgd jaf l fgdg q gj f Yf j daYZadaq

N_{JJE}	).((	N
A_{LN} 8 L 50-℃	((	
A_{LKE} 8 I_H 5)(ek	-,((	
N_L EYp	)0(	N

@Ylaf gfljgd
Da l gfljgdkqkl e
e glgj



8 L 5 - mfdkkgl joak kh aa

J h laan h Ycg klYl ngdY	Lnb5 -	N_{JE}	).((	N
J h laan h Ycj n jk ngdY	Lnb5 -	N_{JJE}	).((	N
Fgf j h laan h Ycg klYl ngdY	Lnb5 -	N_{KE}	)/((	N
Fgf j h laan h Ycj n jk ngdY	Lnb5 -	N_{JKE}	)/((	N
n jY gjoYj mjj fl	L 50-	A_{LN}	((	
gjoYj kmj mjj fl	) q d Kaf oYn -(@ Lnb5 -℃	A_{LKE}	-,((	
Al nYdn gj mkaf		Al	),-0((	k
jaaYdjYl g jak g gf klYl mjj fl	A5 A_L	a l	)-(	k
JEK akgdYlagf ngdY	-(@)k)e af	N_{AKG}	+.((+(((	N
mf lagf l e h jYlmj jYf		L	,(v) -	℃
KlgjY l e h jYlmj jYf		L_{kl}	,(v) -	℃

8 L 5 - mf d kk gl jo ak kh aa

H Yc gjo Yj ngdY	A5. ((lH5+0(k	NL			) 0(	N
J h laa h Yc g klYl mjj fl	N 5 N JE Lnb 5 - ℃	AJE			)((	
	N 5 N JE Lnb 5) - ℃				. (	e
J n jk d YcY mjj fl	NJ 5 NJJE Lnb 5 - ℃	AJE			)((	
	NJ 5 NJJE Lnb 5) - ℃				. (	e
L j k gd ngdY	gj hgo j dgkk Yd mdYl agf gf dq Lnb 5) - ℃	NLG			(0/	N
qf Ye a j kakl Yf	Lnb 5) - ℃	jL			) +-	e
L ja jaf Yl mjj fl	N 5) N JD5+(	AL	(		) (	e
@gd af mjj fl	A5)	A@			-(	e
DYl af mjj fl	A5) AL	Aa			+((	e
jaa YdjYl g jak g ngdY	N 5 +N JE Lnb5) - ℃ Yl Gh f	n l	)(((			N k

L ja jaf Yl ngdY N 5) N J

EL ((L).L	EL ((L).L	L	)/(©)(H K	. H K	/ H K

FIG 1: Power dissipation vs. on-state current (per thyristor or diode)

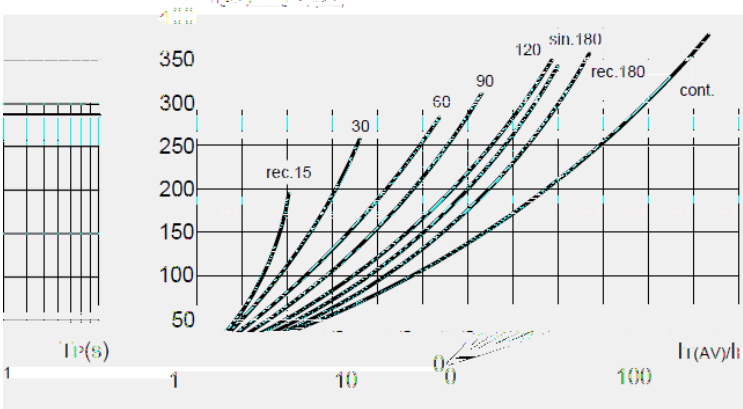


FIG 2: Maximum transient thermal impedance junction to case (per thyristor or diode)

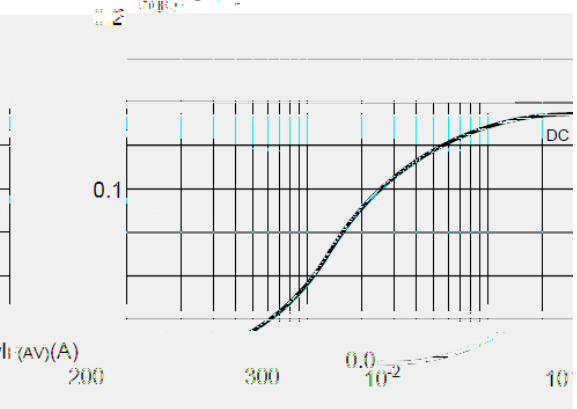


FIG 3: Forward characteristics (per thyristor or diode)

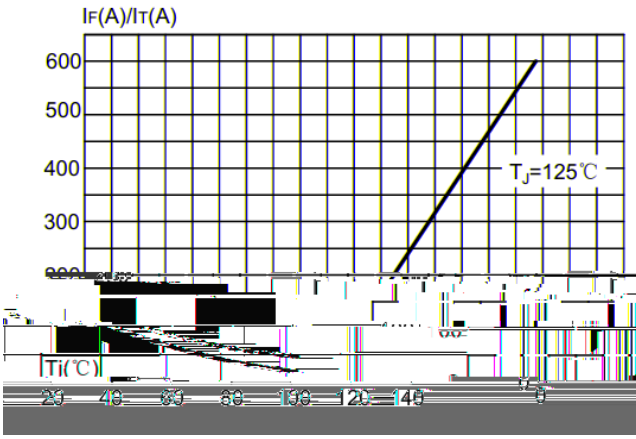


FIG 4: Relative variation of gate trigger current, holding current and latching current versus junction temperature

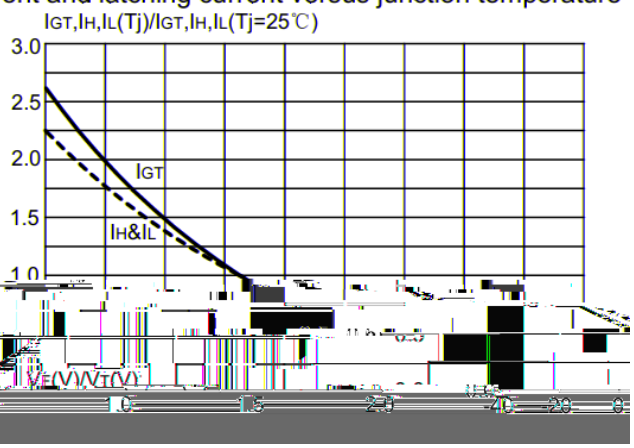


FIG 5 Gate trigger characteristics

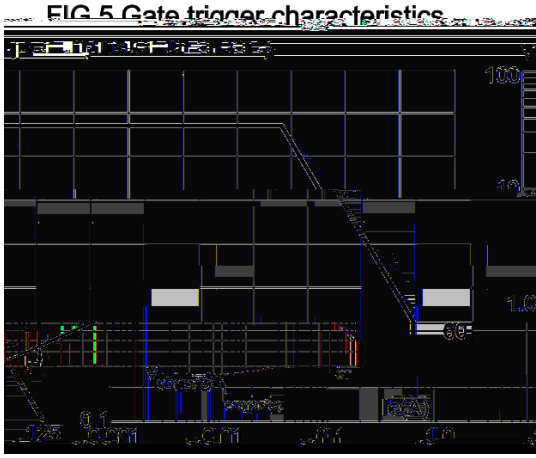
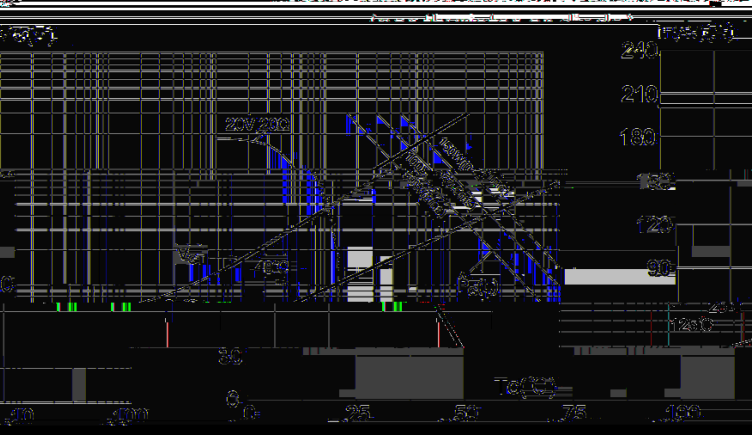
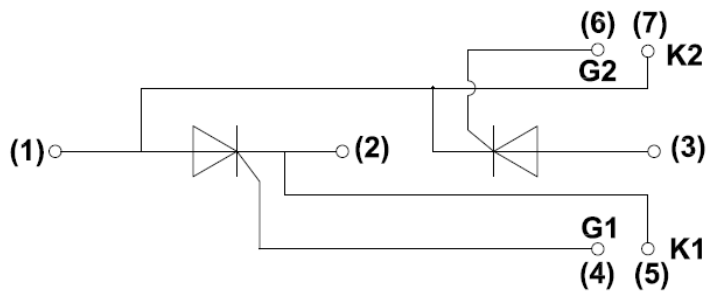
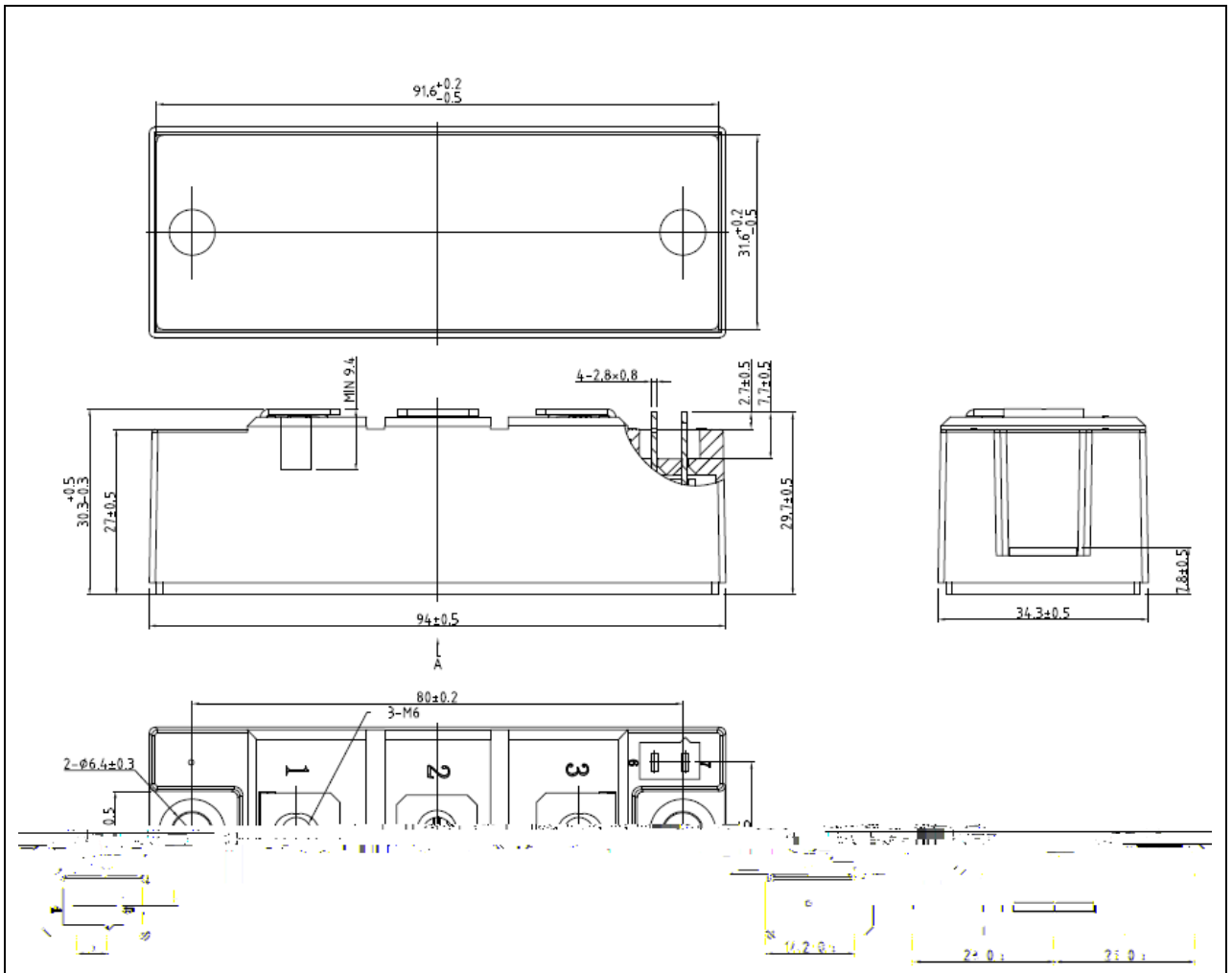


FIG 6: Forward current vs. case temperature







Mfla g e Ykmj e fl2ee

Afgje Ylagf mjfak afl ak g me fl ak Zdan lg Z Y mjYl Yf j dAYZd @go n j aYf km a a K e agf mlgj g Dl Ykkme k fg j khgfkaZadaq gjl gfk i m f k g mk oa gml gfka jYlagf gjkm afgje Ylagf fgjmk Z qgf a L ak afgje Ylagf afl ak g me fl ak kmZo llg Yf oa gml hjagj fgla Fgloa klYf afl ak aYf km a a oadmdq ge hdq oa l l jek gmldaf af Y kaf Y j e fl Hjg mlk Yf afgje Ylagf hjgna afl ak g me fl Yn fg afjaf e fl g hYl flk aYf km a a Ykkme k fg j khgfkaZadaq gj Yfq afjaf e fl g gl j ja lk g l aj hYjlak o a e Yq j kmdl jge l mk g km hjg mlk Yf afgje Ylagf L ak g me fl ak l afaaYd j d Yk Yl), mdq (. L ak g me fl kmln jk k Yf j hdY k Yddafgje Ylagf hj nagmkdq kmlnhda

Mak j akl j ljY e Yjc g aYf km a a K e agf mlgj g Dl ° (. aYf km a a K e agf mlgj g Dl ddja lk j k jn