Peak gate power dissipation	P_{GM}		20		W	
Average gate power dissipation	$P_{G(AV)}$		4		W	
Gate-trigger current	I_{GT}		250		mA	V_D =12 V;R_L = 3 ohms;T_j = +25 ^oC
Gate- trigger voltage	V_{GT}	0.7	3.0		V	V_D = 12 V;R_L = 3 ohms;T_j = +25 ^oC
Peak negative voltage	V_{GRM}		5		V	

Delay time	t_d		3.0	2.5	s	I_{TM}=100A; V_D=67%V_{DRM} Gate pulse:V_G=30V; R_G=10ohms; t_r=0.1 s; t_p=20 s
Turn-off time (with V_R = -5 V)	t_q			600	s	I_{TM} =2000A; di/dt =-10A/ s; V_R =100V; dv/dt=30V/ s ; V_D=67%V_{DRM};Tj=125
Reverse recovery charge	Q_{rr}				C	I_{TM}=2000A di/dt=-10A/ s; V_R=100V; T_j=125

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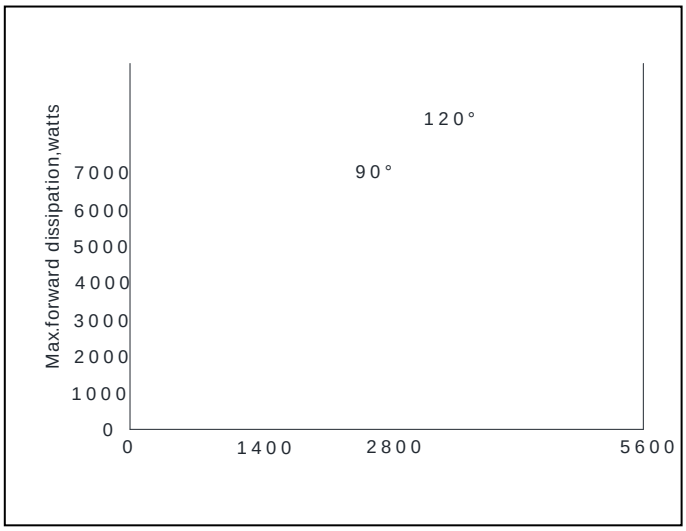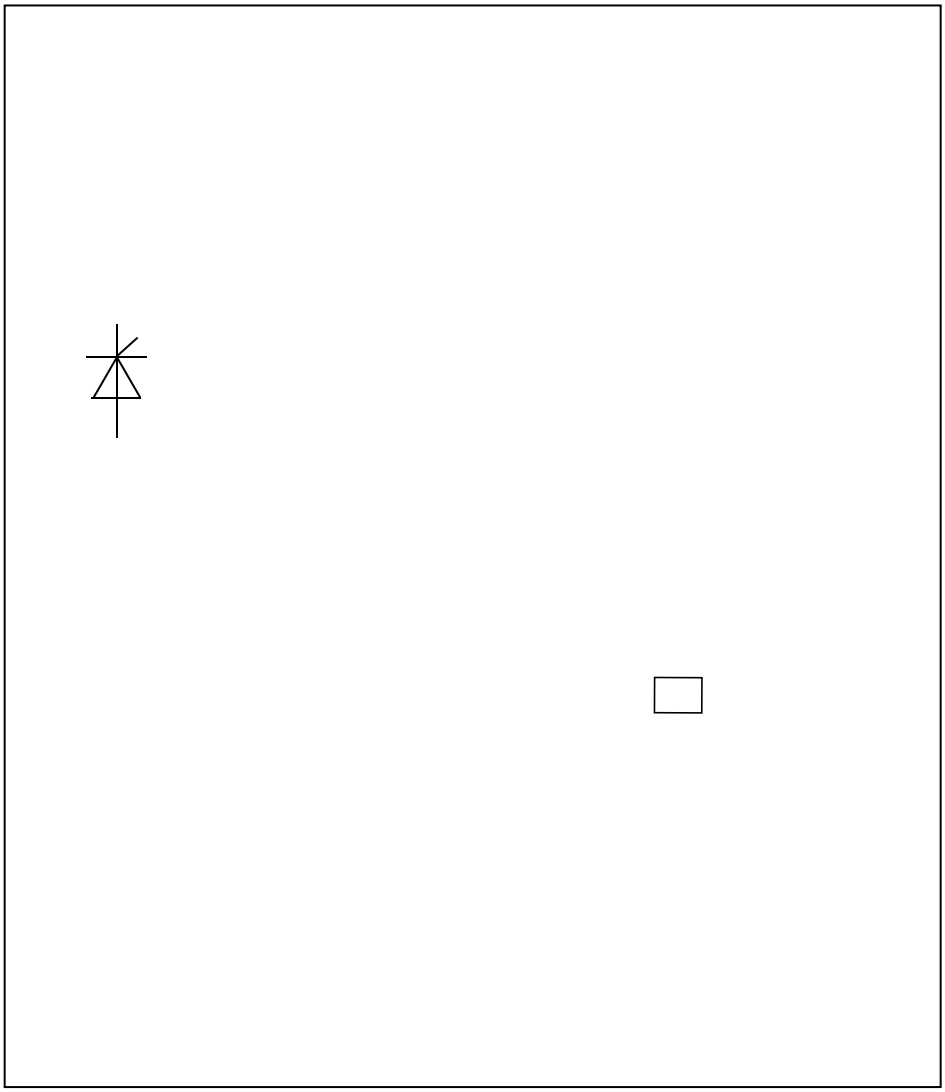
Max.forward dissipation,watts
7000
6000
5000
4000
3000
2000
1000
0
0
1400
2800
5600
90°
120°