


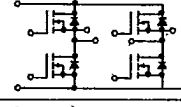
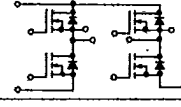
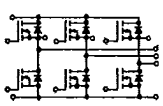
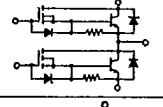

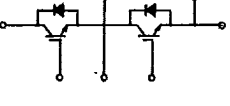
**GTR Modules**

**Bipolar Darlington**

CONNECTION			MAXIMUM RATING													
CIRCUIT	SYMBOL		V <sub>CE0</sub> (SUS) (V)	I <sub>c</sub> (A)												
	CKT	TYPE NOTE		10	15	20	25	30	50	75	100	150	200	300	400	
	A	L	450		MG15G1A1 <sup>‡</sup>						MG100G1A1 <sup>‡</sup>					
			550										MG200H1A1 <sup>‡</sup>			
	B	L	450					MG30G1B1 <sup>‡</sup>	MG50G1B1 <sup>‡</sup>	MG75G1B1						
		K	1000*				MG25M1BK1 <sup>‡</sup>		MG50M1BK1 <sup>‡</sup>							
	F	L	450								MG100G1F1					
			550									MG150H1F1	MG200H1F1 <sup>‡</sup>	MG300H1F1	MG400H1F1	
		K	550													MG400H1FK1
			1000*											MG200M1FK1 <sup>‡</sup>	MG300M1FK1 <sup>‡</sup>	
	U	L	450											MG300H1U1	MG400H1U1	
			550												MG300H1U1	MG400H1U1
	U	K	1000*												MG200M1UK1	MG300M1UK1
			1200*												MG200Q1UK1	MG300Q1UK1
			1400*													MG160S1UK1 (160A)
	C	L	450					MG30G2C1 <sup>‡</sup>	MG50G2C1 <sup>‡</sup>	MG75G2C1	MG100G2C1					
			550							MG75H2C1	MG100H2C1	MG150H2C1				
	K	550									MG100H2CK1		MG200H2CK1			
		1000*				MG25M2CK2		MG50M2CK2 <sup>‡</sup>	MG75M2CK2 <sup>‡</sup>	MG100M2CK2 <sup>‡</sup>	MG150M2CK2 <sup>‡</sup>					
		1100*		MG15N2CK1 <sup>‡</sup>		MG25N2CK1 <sup>‡</sup>		MG50N2CK1 <sup>‡</sup>								
	Y	L	450					MG30G2Y1	MG50G2Y1	MG75G2Y1	MG100G2Y1	MG150G2Y1				
			550							MG100H2Y1		MG150H2Y1				
	K	1000*				MG25M2YK1		MG50M2YK1	MG75M2YK1	MG100M2YK1	MG150M2YK1					
		1100*		MG15N2YK1		MG25N2YK1		MG50N2YK1								
		1200*						MG50Q2YK1	MG75Q2YK1	MG100Q2YK1	MG150Q2YK1					
		1400*						MG40S2YK1 (40A)		MG60S2YK1 (60A)						
	D	L	450					MG30G2D1	MG50G2D1	MG75G2D1	MG100G2D1					
			550								MG75H2D1	MG100H2D1	MG150H2D1			
	E	L	450	MG10G6E1	MG15G6E1 <sup>‡</sup>	MG20G6E1 <sup>‡</sup>		MG30G6E1 <sup>‡</sup>	MG50G6E1 <sup>‡</sup>							
		K	1100*		MG15N6EK1 <sup>‡</sup>		MG25N6EK1 <sup>‡</sup>									
	G	L	450		MG15G1G1	MG20G1G1										
	J	L	450					MG30G1J1	MG50G1J1	MG75G1J1	MG100G1J1					

NOTE : (L):2-STAGE DARLINGTON, (K):3-STAGE DARLINGTON §:UNDER DEVELOPMENT \*:V<sub>CEX(SUS)</sub> ‡:UL RECOGNIZED

## MOS FET, MOS GATE DARLINGTON, IGBT

CONNECTION			MAXIMUM RATING												
	SYMBOL		V <sub>DSS</sub> V <sub>CE5</sub> (V)	ID/IC (A)											
	CKT	TYPE NOTE		8	10	15	25	30	50	75	100	150	200	300	400
	A	M	150			@ 2SK378									
			250		@ 2SK708	@ 2SK447									
			450	@ 2SK568	@ 2SK708	MG15G1AM1									
	G	M	250		MG10G4GM1	MG15D4GM1									
			450	MG8G4GM1	MG10G4GM1	MG15G4GM1 #									
	H	M	150			MG15C4HM1									
			250			MG15D4HM1									
	E	M	250	MG8D6EM1		MG15D6EM1 #									
			450	MG8G6EM1	MG10G6EM1	MG15G6EM1									
		500			MG15H6ES1 §										
	C	H	450						MG50G2CH1		MG10G2CH1				
	B	S	500			MG25H1BS1		MG50H1BS1		MG100H1BS1		MG200H1BS1 §			
			1000		MG15N1BS1	MG25N1BS1		MG50N1BS1							
	Y	M	250					MG30D2YM1	MG50D2YM1 §						
			450					MG30G2YM1	MG50G2YM1 §						
		500				MG25H2YS1		MG50H2YS1	MG75H2YS1 §	MG100H2YS1		MG200H2YS1			
		1000			MG15N2YS1	MG25N2YS1		MG50N2YS1	MG75N2YS1 §	MG100N2YS1					

Note : MOS FET: (M), IGBT: (S), MOS GATE DARLINGTON: (H), @: NON ISOLATED TYPE, §: UNDER DEVELOPMENT  
# : UL RECOGNIZED