

ELECTRICAL CHARACTERISTICS (unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12V$ $R_L=33$	- -	MAX.	10	mA
				25	
V_{GT}		ALL	MAX.	1	V
V_{GD}	$V_D=V_{DRM}$ $T_j=125$ $R_L=3.3k$	ALL	MIN.	0.2	V
I_L	$I_G=1.2I_{GT}$	- -	MAX.	25	mA
				35	
I_H	$I_T=500mA$		MAX.	25	mA
dV/dt	$V_D=540V$ Gate Open $T_j=125$		MIN.	100	V s
$(dV/dt)_c$	$(dI/dt)_c=7.2A/ms$, $T_j=110$		MIN.	5	9 V
t_{on}	$I_G=40mA$ $I_A=200mA$ $I_R=20mA$		TYP.	3	s
t_{off}	$T_j=25$			50	

STATIC CHARACTERISTICS

Symbol	Parameter	Value(MAX.)	Unit
V_{TM}	$I_{TM}=20A$ $t_p=380$ ≤ 380		

FIG.1: Maximum power dissipation versus RMS on-state current

FIG.2: RMS on-state current versus case temperature

ORDERING INFORMATION

Order code	Voltage V_{DRM}
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Information furnished in this document is believed to be accurate and reliable. However,