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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 °C
Gate- trigger voltage	V_{GT}	0.7	3.0		V	V_D = 12 V;R_L = 3 ohms;T_j = +25 °C
Peak negative voltage	V_{GRM}		10		V	

Delay time	t_d			3.0	μs	I_{TM}=100A; V_D=67%V_{DRM} Gate pulse:V_G=30V; R_G=10ohms; t_r=0.1μs; t_p=20μs
Turn-off time (with V_R = -5 V)	t_q			700	μs	I_{TM} =2000A; di/dt =-10A/μs; V_R =100V; dv/dt=30V/μs ; V_D= 67%V_{DRM} ;Tj=125
Reverse recovery charge	Q_{rr}		5000		μC	I_{TM}=2000A di/dt=-10A/μs; V_R=100V; T_j=125

Operating temperature	T_j	-40	+125		°C	
Storage temperature	T_{stg}	-40	+140		°C	
Thermal resistance - junction to case	$R_{\Theta(j-c)}$		0.007		°C/W	Double sided cooled
Thermal resistance - case to heatsink	$R_{\Theta(c-s)}$		0.002		°C/W	Double sided cooled
Mounting force	F	66	74	70	kN	
Weight	m			1.45	kg	

* Mounting surfaces smooth, flat and greased



