

Symbol	Test Conditions	Characteristic Value	
I_D, I_R	$T_{VJ} = T_{VJM}, V_R = V_{RRM}, V_D = V_{DRM}$	\leq	5 mA
V_T	$I_T = 150A, T_{VJ} = 25^\circ C$	\leq	1.57 V
V_{TO}	For power-loss calculations only ($T_{VJ} = T_{VJM}$)		0.85 V
r_T			4.8 m Ω
V_{GT}	$V_D = 6V$	$T_{VJ} = 25^\circ C$	\leq 1.0 V
		$T_{VJ} = -40^\circ C$	\leq 1.6 V
I_{GT}	$V_D = 6V$	$T_{VJ} = 25^\circ C$	\leq 100 mA
		$T_{VJ} = -40^\circ C$	\leq 150 mA
V_{GD}	$T_{VJ} = T_{VJM}, V_D = 2/3 V_{DRM}$	\leq	0.2 V
I_{GD}	$T_{VJ} = T_{VJM}, V_D = 2/3 V_{DRM}$	\leq	5 mA
I_L	$T_{VJ} = 25^\circ C, t_p = 10\mu s$	\leq	200 mA
	$I_G = 0.3A, di_G/dt = 0.3A/\mu s$		
I_H	$T_{VJ} = 25^\circ C, V_D = 6V, R_{GK} = \infty$	\leq	150 mA
t_{gd}	$T_{VJ} = 25^\circ C, V_D = 1/2 V_{DRM}$	\leq	2 μs
	$I_G = 0.3A, di_G/dt = 0.3A/\mu s$		
t_q	$T_{VJ} = T_{VJM}, I_T = 20A, t_p = 200\mu s, V_R = 100V$ $-di/dt = 10A/\mu s, dv/dt = 15V/\mu s, V_D = 2/3 V_{DRM}$		150 μs
R_{thJC}	per thyristor; sine 180°el		0.66 K/W
	per module		0.11 K/W
R_{thJK}	per thyristor; sine 180° el		0.93 K/W
	per module		0.155 K/W
d_s	Creeping distance on surface		8.0 mm
d_A	Creeping distance in air		4.5 mm
a	Max. allowable acceleration		50 m/s ²