



Peak pulse voltage ( $T_j=25$ ; non-repetitive, off-state; FIG.7)	$V_{pp}$	1.2	kV
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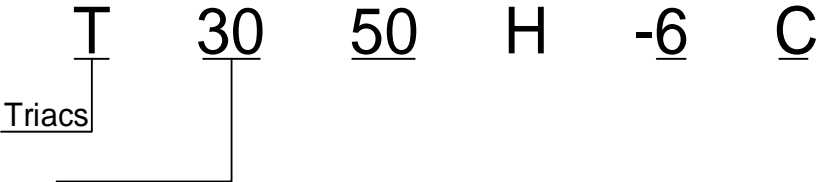
## ELECTRICAL CHARACTERISTICS (unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
$I_{GT}$	$V_D=12V$ $R_L=33$	- -	MAX.	50	mA
$V_{GT}$		- -	MAX.	1.3	V
$V_{GD}$	$V_D=V_{DRM}$ $T_j=150$ $R_L=3.3k$	- -	MIN.	0.15	V
$I_L$	$I_G=1.2I_{GT}$	-	MAX.	80	mA
				90	
$I_H$	$I_T=500mA$		MAX.	60	mA
$dV/dt$	$V_D=400V$ Gate Open $T_j=150$		MIN.	2200	V/s
$(dI/dt)_c$	$V_D=150V$ $T_j=150$		MIN.	30	A/ms
$t_{on}$	$I_G=80mA$ $I_A=400mA$ $I_R=40mA$ $T_j=25$		TYP.	15	s
$t_{off}$				100	

## STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX.)	Unit
$V_{TM}$	$I_{TM}=42A$ $t_p=380$ s	$T_j=25$	1.5	V
$V_{TO}$	Threshold voltage	$T_j=150$	0.7	V
$R_D$	Dynamic resistance	$T_j=150$	16	m
$I_{DRM}$	$V_D=V_{DRM}$ $V_R=V_{RRM}$	$T_j=25$	5	A
$I_{RRM}$		$T_j=150$	5	mA

ORDERING INFORMATION







T3050H-6C

PACKAGE MECHANICAL DATA



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