

Average gate power dissipation ($T_j=150$)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	10	W
Peak pulse voltage ($T_j=25$; non-repetitive, off-state; FIG.7)	V_{pp}	4	kV

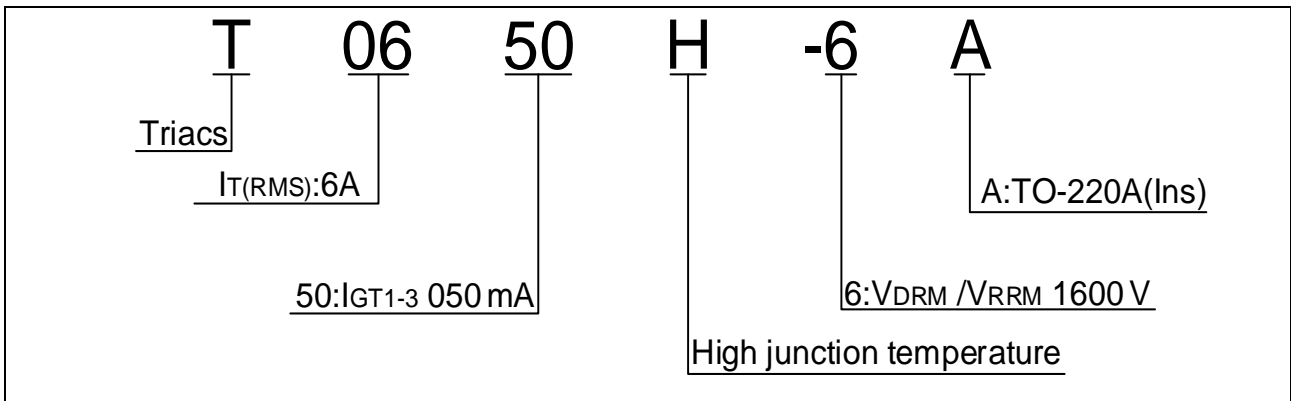
(T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value	Unit	
I_{GT}	$V_D=12V$ $R_L=33$	- -	MAX.		
V_{GD}	$V_D=V_{DRM}$ $T_j=1$ k	- -	MIN.	0.2	V
I_L	$I_G=1.2I_{GT}$	-	MAX.	70 100	mA
I_H	$I_T=100mA$		MAX.	50	mA
dV/dt	$V_D=400V$ Gate Open $T_j=150$		MIN.	1500	V/s
(dI/dt) _c	G 9 G W F $V_j=150V$ 7		MIN.	5	A/ms
t_{on}	$I_G=80mA$ $I_A=400mA$ $I_R=40mA$		TYP.	5	s
t_{off}	$T_j=25$			50	

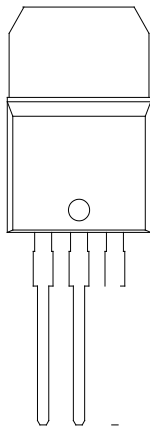
STATIC CHARACTERISTICS

Symbol	Parameter	Value(MAX.)	Unit
V_{TM}	$I_{TM}=8.5A$ $t_p=380$ s $T_j=25$	1.4	V
V_{TO}	Threshold voltage $T_j=150$	0.8	V
R_D	Dynamic resistance $T_j=150$	63	

ORDERING INFORMATION



MARKING



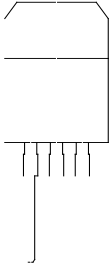
ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
T0650H-6A	600	50	TO-220A(Ins)	50	Tube

Document Revision History

Date	Revision	Changes
Apr.10, 2023	A.1.0	Last updated
Oct.11, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

PACKAGE MECHANICAL DATA



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