Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{pp}	1.5	kV

ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33Ω	- -	MAX.	35	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	V_D =V_{DRM} T_j =150 R_L =3.3kΩ	- -	MIN.	0.2	V
I_L	I_G =1.2I_{GT}	-	MAX.	50	mA
				60	
I_H	I_T =500mA		MAX.	40	mA
dV/dt	V_D=540V Gate Open T_j =150		MIN.	1000	V/μs
(dI/dt)c	(dV/dt)c=20V/μs, T_j=150		MIN.	18	A/ms
t_{on}	I_G=40mA I_A=200mA I_R=20mA T_j=25		TYP.	10	μs
t_{off}				80	

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX .)	Unit
V_{TM}	I_{TM} =35A t_p=380μs	T_j=25	1.4	V
V_{TO}	Threshold voltage	T_j=150	0.72	V
R_D	Dynamic resistance	T_j=150	19	mΩ
I_{DRM}	V_D =V_{DRM} V_R =V_{RRM}	T_j=25		

ORDERING INFORMATION

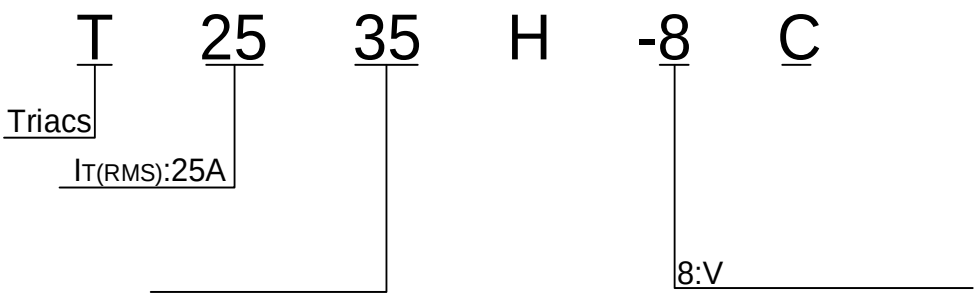


FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



ORDERING INFORMATION

Order code	Voltage V_{DRM}/V_{RRM} (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
		- -			
T2535H-8C	800	35	TO-220C	50	Tube

Document Revision History

Date	Revision	Changes
Apr.10, 2023	A.1.0	Last updated
Oct.15, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

PA10j8.9 (K)0.5 (AG)-12 (E)-7.2 (M)-5.8 (E)9.9 (10j8.9 (H)-0.9 (A0j8.8 (N)-7.1 (I)-6 (CA0

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