T1210H-8E 12A TRIAC

Peak gate power	P_{GM}	10	W
Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.8)	V_{pp}	4	kV

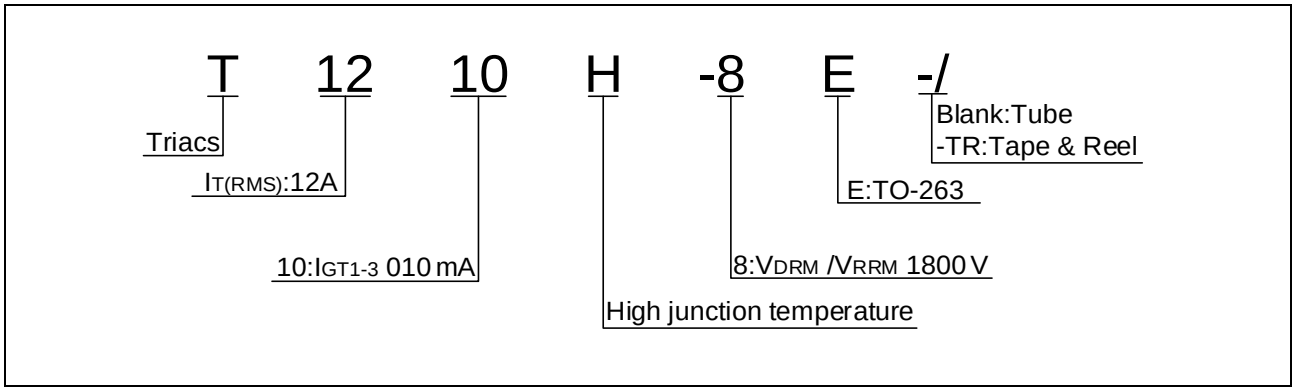
ELECTRICAL CHARACTERISTICS (T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D =12V R_L =33	- -	MAX.	10	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	V_D =V_{DRM} T_j =150 R_L =3.3k	- -	MIN.	0.2	V
I_L	I_G =1.2I_{GT}	-	MAX.	20	mA
				30	
I_H	I_T =500mA		MAX.	10	mA
dV/dt	V_D=540V Gate Open T_j =150		MIN.	150	V s
(dI/dt)c	G 9 G W F $_j$=9150V 7		MIN.	1.8	A/ms
t_{on}	I_G=20mA I_A=200mA I_R=20mA T_j=25		TYP.	3	s
t_{off}				50	

STATIC CHARACTERISTICS

Symbol	Parameter		Value(MAX .)	Unit
V_{TM}	I_{TM} =17A t_p=380 s	T_j=25	1.4	V
V_{TO}	Threshold voltage	T_j=150	0.75	V
R_D	Dynamic resistance	T_j=150	37	P
I_{DRM}	V_D =V_{DRM} V_R =V_{RRM}	T_j=25	5	A

ORDERING INFORMATION



MARKING

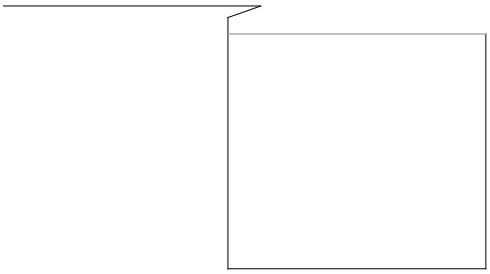
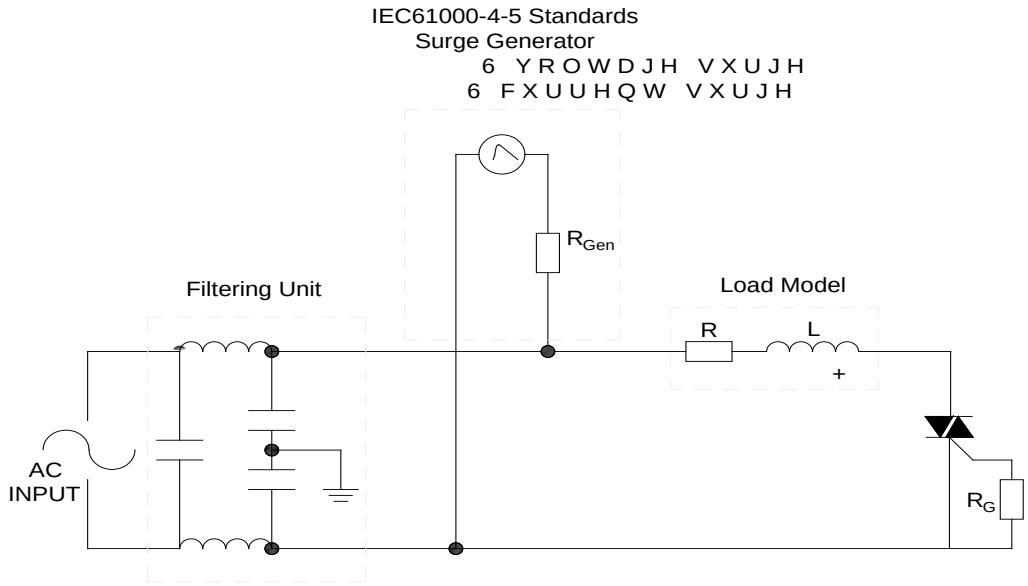


FIG.1:

FIG.7: Relative variations of gate trigger current, holding current and latching current versus junction temperature



FIG.8 ÖTest 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
		- -			
T1210H-8E	800		-	800	

PACKAGE MECHANICAL DATA

Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	9.90		10.20	0.390		
B	14.70		15.80	0.579		
C	9.40		9.60	0.370		
D	2.40					
E						
F						

DELIVERY MODE

