

T0810H-8K 8A TRIAC

Rev.A.1.2

DESCRIPTION:

The T0810H-8K

Peak gate power	P_{GM}	10	W
Peak pulse voltage ($T_j=25$; non-repetitive, off-state; FIG.8)	V_{pp}	2.5	kV

ELECTRICAL CHARACTERISTICS (unless otherwise specified)

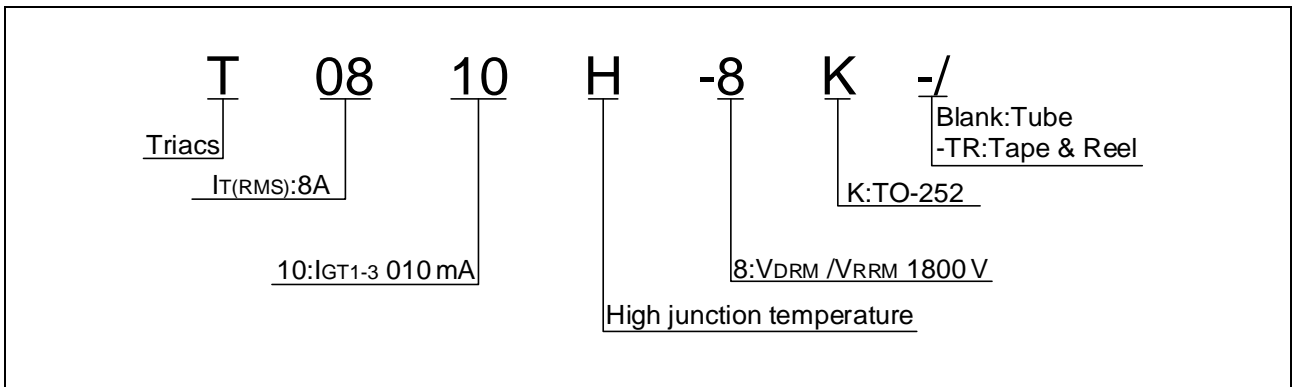
Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	$V_D=12V R_L=33$	- -	MAX.	10	mA
V_{GT}		- -	MAX.	1	V
V_{GD}	$V_D=V_{DRM} T_j=150$ $R_L=3.3k$	- -	MIN.	0.2	V
I_L	$I_G=1.2I_{GT}$	-	MAX.	25	mA
				40	
I_H	$I_T=100mA$		MAX.	25	mA
dV/dt	$V_D=540V$ Gate Open $T_j=150$		MIN.	150	V/s
(dI/dt) _c	$V_D=150V$ $T_j=150$		MIN.	1.8	A/ms

t_{on} $I_G=20mA$ $I_A=200mA$ $I_R=20mA$
 $T_j=25$

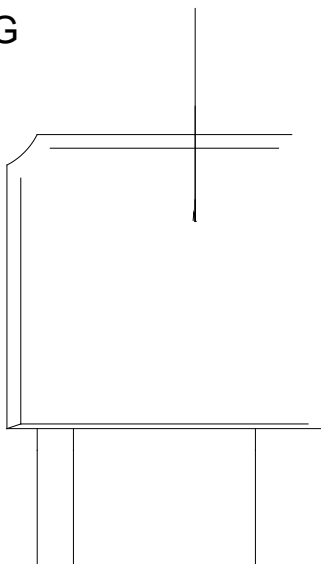
TYP.

20.004 Tw 12 0 ()JTJ EM22.68 re

ORDERING INFORMATION



MARKING



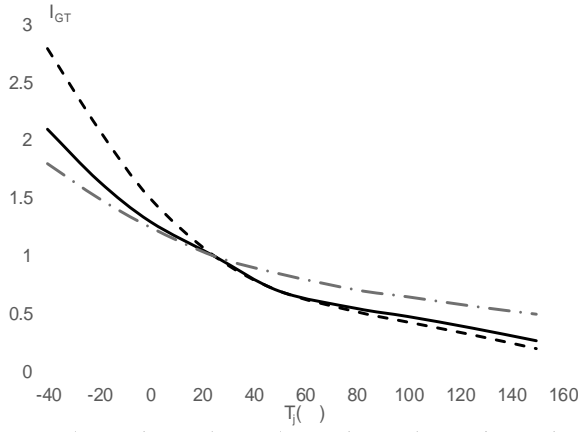
\overline{T}
FK
on

\overline{W}

RMS)

\overline{TE}

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

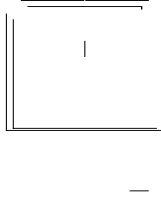


T0810H-8K

ORDERING INFORMATION

Order code

PACKAGE MECHANICAL DATA



Ref.	Dimensions					
	Millimeters			Inches		
	Min.	Typ.	Max.	Min.	Typ.	Max.
A	2.10		2.50	0.083		0.098
A2	0		0.15	0		0.006
B	0.66		0.86	0.026		0.034
B2	5.18		5.48	0.202		0.216
C	0.40		0.60	0.016		0.024
C2	0.44		0.58	0.017		0.023
D	5.90		6.30	0.232		0.248
D1						
E	6.40		6.80	0.252		0.268
E1	4.63			0.182		
G	4.47		4.67	0.176		0.184
G1	2.18		2.38	0.086		0.094
L	1.09		1.21	0.043		0.048
L2	1.35		1.65	0.053		0.065

