Peak pulse voltage (T_j=25 ; non-repetitive,off-state;FIG.7)	V_{PP}	3.5	kV

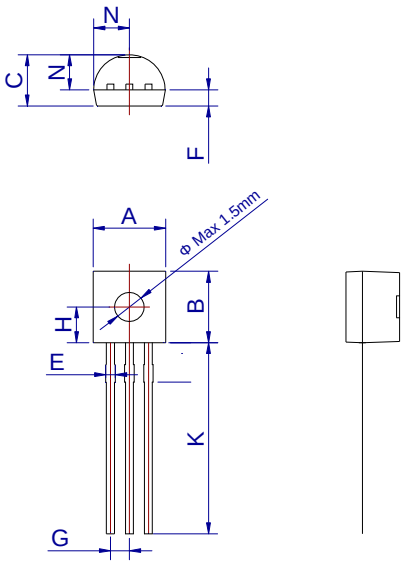
(T_j=25 unless otherwise specified)

Symbol	Test Condition	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=33Ω	- -	MAX.	5	mA
				10	
V_{GT}		ALL	MAX.	1.3	V
V_{GD}	V_D=V_{DRM} T_j=125 R_L=3.3kΩ	ALL	MIN.	0.2	V
I_L	I_G=1.2I_{GT}	- -	MAX.	5	mA
				20	
I_H	I_T=50mA		MAX.	7	mA
dV/dt	V_D=540V Gate Open T_j=110		MIN.	100	V/μs
(dV/dt)c	(dI/dt)c=0.44A/ms, T_j=110		MIN.	3	V/μs
t_{on}	I_G=20mA I_A=200mA I_R=20mA T_j=25		TYP.	2.5	μs
t_{off}				25	

Symbol	Parameter	Value(MAX.)	Unit
V_{TM}			

FIG.1: Maximum power dissipation versus RMS on-state current

FIG.2: RMS on-state current versus case temperature


N
C
N
F
A
Φ Max 1.5mm
B
H
E
K
G

PACKAGE	OUTLINE	BAG (PCS)	INNER BOX (PCS)	CARTON BOX (PCS)
TO-92	Bulk Pack	1,000	10,000	50,000

W2			1.00
D0	3.80	4.00	4.20
H	-1.00	0	1.00
L1	2.50		
H	18.00	19.00	20.00