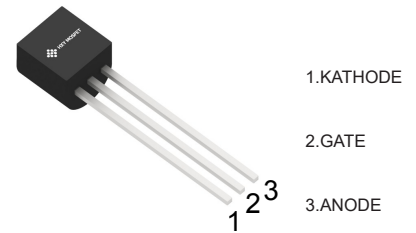




Features

- Blocking voltage to 600V
- RMS on-state current to 0.8 A
- General purpose switching



TO-92

Maximum Ratings (Ta=25°C unless otherwise noted)

Symbol		value	unit
$I_{T(RMS)}$		0.8	A
V_{DRM} / V_{RRM}		600	V
T_j	Junction Temperature	-40 ~ 125	°C
T_{stg}	Storage Temperature	-55 ~ 150	°C

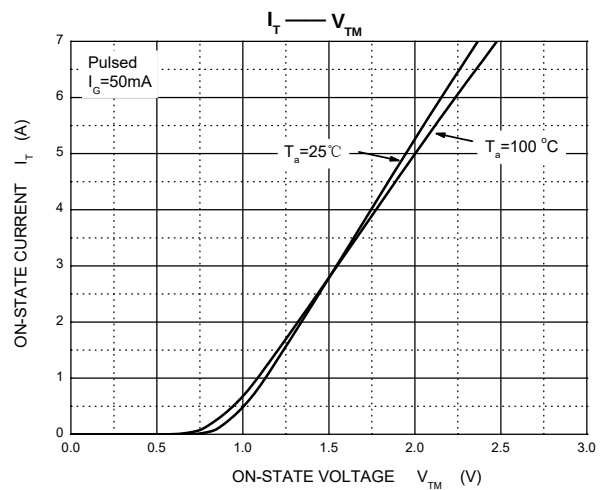
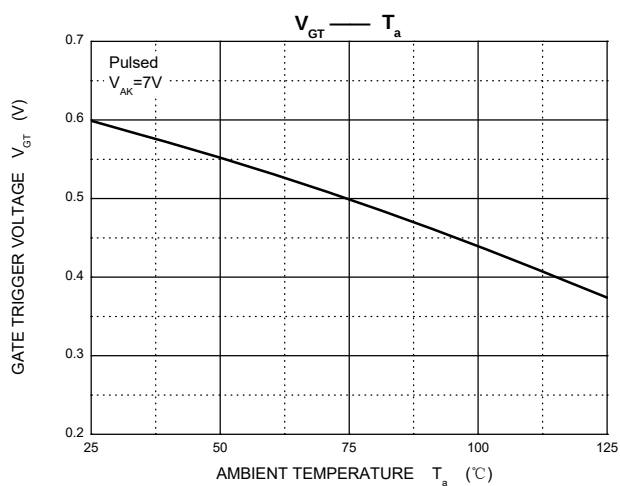
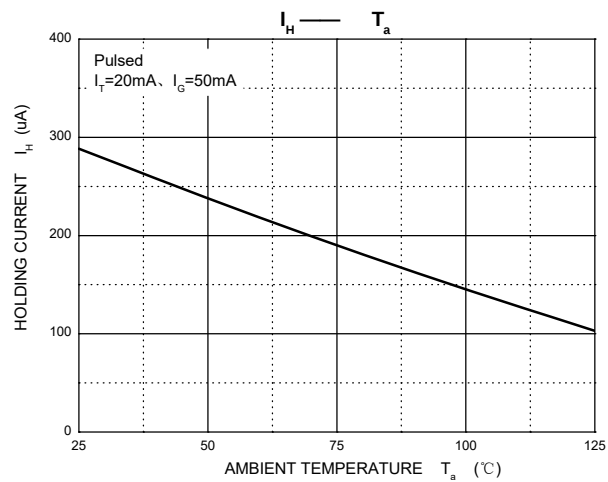
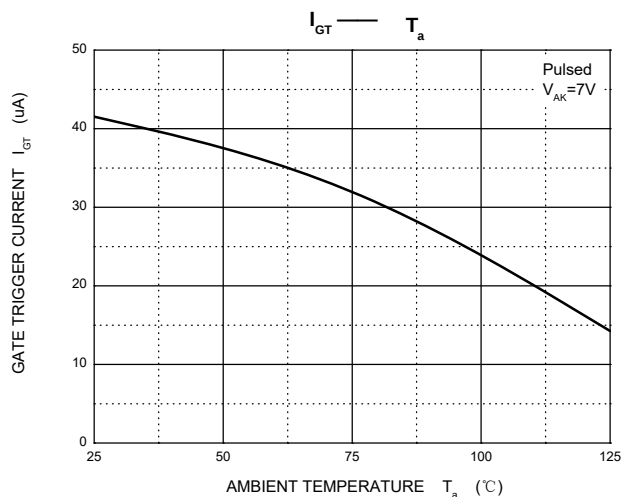
Electrical Characteristics (Ta=25°C unless otherwise specified)

Parameter	Symbol		Test conditions	Min	Max	Unit
On state voltage *	V_{TM}		$I_{TM}=1A$		1.7	V
Gate trigger voltage	V_{GT}		$V_{AK}=7V$		0.8	V
Peak Repetitive forward and reverse blocking voltage	V_{DRM}/V_{RRM}		$I_{DRM}/I_{RRM}= 10 KA$	600		V
Peak forward or reverse blocking Current	I_{DRM} I_{RRM}		$V_{AK}= Rated$ V_{DRM} or V_{RRM}		10	μA
Holding current	I_H		$I_{HL}=20mA, V_{AK}=7V$		5	mA
Gate trigger current	I_{GT}	A2	$V_{AK}=7V$	5	15	μA
		A1		15	30	μA
		A		30	80	μA
		B		80	200	μA

* Forward current applied for 1 ms maximum duration, duty cycle≤1%。

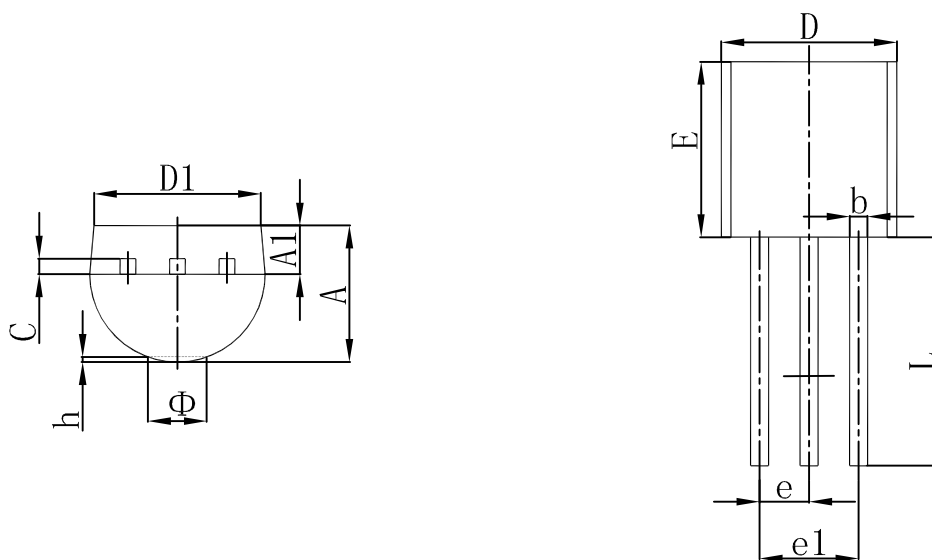


Typical Characteristics





TO-92 Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	3.300	3.700	0.130	0.146
A1	1.100	1.400	0.043	0.055
b	0.380	0.550	0.015	0.022
c	0.360	0.510	0.014	0.020
D	4.300	4.700	0.169	0.185
D1	3.430		0.135	
E	4.300	4.700	0.169	0.185
e	1.270 TYP		0.050 TYP	
e1	2.440	2.640	0.096	0.104
L	14.100	14.500	0.555	0.571
Φ		1.600		0.063
h	0.000	0.380	0.000	0.015



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