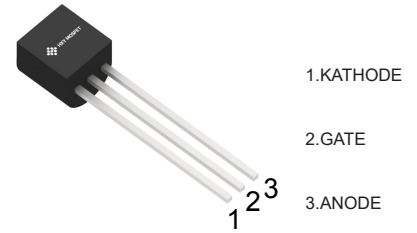




Features

- Blocking voltage to 400 V
- RMS on-state current to 0.6 A
- General purpose bidirectional switching



TO-92

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

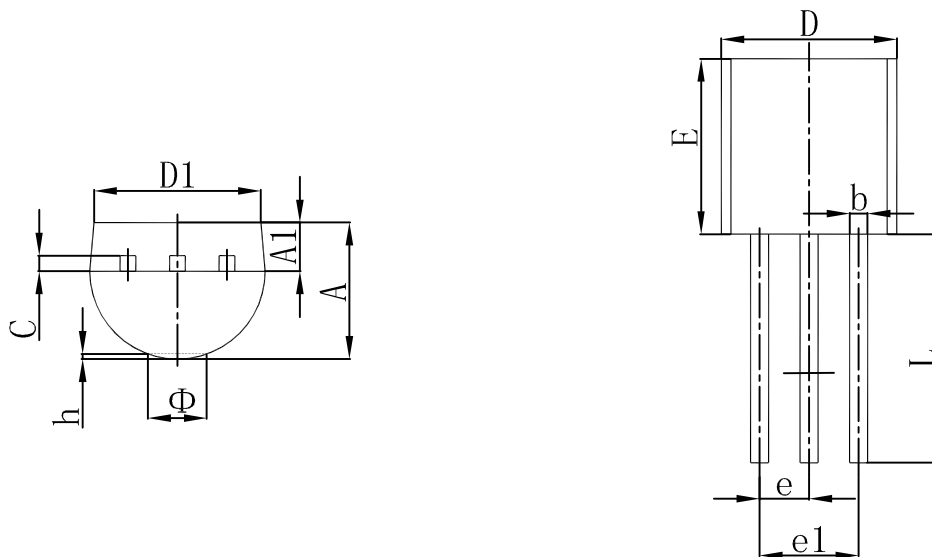
Symbol	Parameter	Conditions	Value	Unit
V_{DRM} / V_{RRM}	repetitive peak off-state voltage	$T_j = 25$ to 125°C	400	V
I_{GM}	gate current(peak value)	$t = 2\mu\text{s max}$	1	A
V_{GM}	gate voltage(peak value)	$t = 2\mu\text{s max}$	5	V
P_{GM}	gate power(peak value)	$t = 2\mu\text{s max}$	5	W
T_j	Junction Temperature	-	$-40 \sim 125$	$^\circ\text{C}$
T_{stg}	Storage Temperature	-	$-40 \sim 150$	$^\circ\text{C}$

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

Parameter		Symbol	Test conditions		Min	Max	Unit
Rated repetitive peak off-state/reverse voltage		$V_{\text{DRM}}, V_{\text{RRM}}$	$I_{\text{D}}=10\mu\text{A}$		400		V
Rated repetitive peak off-state current		I_{DRM}	$V_{\text{D}}=V_{\text{DRM}}$			10	μA
On-state voltage		V_{TM}	$I_{\text{T}}=1\text{A}, I_{\text{G}}=50\text{mA}$			1.9	V
Gate trigger current	I	I_{GT}	$T_2(+), G(+)$	$V_{\text{D}}=12\text{V}$ $R_{\text{L}}=100\Omega$		5	mA
	II		$T_2(+), G(-)$			5	mA
	III		$T_2(-), G(-)$			5	mA
	IV		$T_2(-), G(+)$			-	mA
Gate trigger voltage	I	V_{GT}	$T_2(+), G(+)$	$V_{\text{D}}=12\text{V}$ $R_{\text{L}}=100\Omega$		1.5	V
	II		$T_2(+), G(-)$			1.5	V
	III		$T_2(-), G(-)$			1.5	V
	IV		$T_2(-), G(+)$			-	V
Holding current		I_{H}	$I_{\text{T}}=600\text{mA}, I_{\text{G}}=20\text{mA}$			10	mA



TO-92 Package Outline Dimensions



Symbol	Diminsions 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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