

Features

- Blocking voltage to 600 V
- RMS on-state current to 0.6 A
- General purpose bidirectional switching



Maxmim Ratings (Ta=25℃ unless otherwise noted)

Symbol	Parameter	Conditions	Value	Unit
V _{DRM} /V _{RRM}	repetitive peak off-state voltage	T _j = 25 to125°C	600	٧
I _{GM}	gate current(peak value)	t = 2µs max	1	Α
V_{GM}	gate voltage(peak value)	t = 2µs max	5	V
P_{GM}	gate power(peak value)	t = 2µs max	5	W
T j	Junction Temperature	-	-40 ~ 125	°C
T _{stg}	Storage Temperature	-	-40 ~ 150	°C

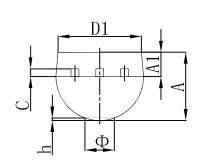
TO-92

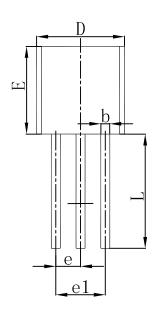
Electrcal Charcteristics (Ta=25°C unless otherwise specified)

Parameter		Symbol	Test conditions		Min	Max	Unit
Rated repetitive peak off-state/reverse voltage		$V_{DRM,}V_{RRM}$	Ι _D =10μΑ		600		V
Rated repetitive peak off-state current		I _{DRM}	V _D =V _{DRM}			10	μA
On-state voltage		V _{TM}	I _T =1A,I _G =50mA			1.9	V
	I		T ₂ (+), G(+)			5	mA
Gate trigger current	П	- I _{GT}	T ₂ (+), G(-)	V _D =12V		5	mA
Gate trigger current	Ш		T ₂ (-), G(-)	R _L =100Ω		5	mA
	IV		T ₂ (-), G(+)			-	mA
	I		T ₂ (+), G(+)			1.5	V
Gata trigger voltage	П	V _{GT}	T ₂ (+), G(-)	V _D =12V		1.5	V
Gate trigger voltage	III		T ₂ (-), G(-)	R _L =100Ω		1.5	V
	IV		T ₂ (-), G(+)			-	V
Holding current		I _H	I _T =600mA ,I _G =20mA			10	mA



TO-92 Package Outline Dimensions





Symbol	Dimensions	In Millimeters	Dimensions In Inches		
	Min	Max	Min	Max	
Α	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	
С	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	
е	1.270	TYP	0.050 TYP		
e1	2.440	2.640	0.096	0.104	
L	14.100	14.500	0.555	0.571	
Ф		1.600		0.063	
h	0.000	0.380	0.000	0.015	



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