

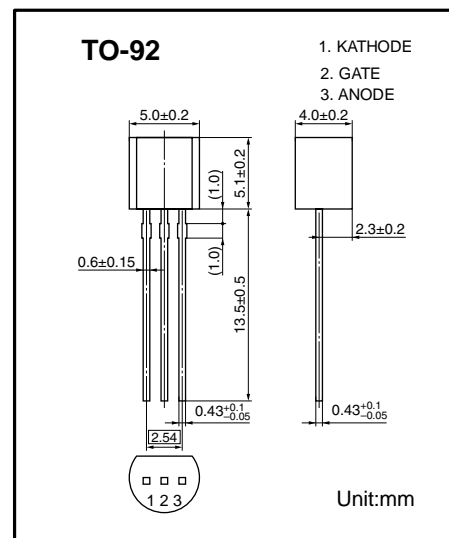
## Silicon Controlled Rectifiers

### ■ Features

- $I_{GT}$ : 200  $\mu A$
- $I_{T(AV)}$ : 1.5 A
- $V_{DRM}$ : 400 V
- Glass-Passivated Surface for Reliability and Uniformity

### ■ Applications

- Designed for CD ignition, fuel ignitors, flash circuits and motor controls and low power switching applications.



### ■ Maximum Ratings and Characteristics

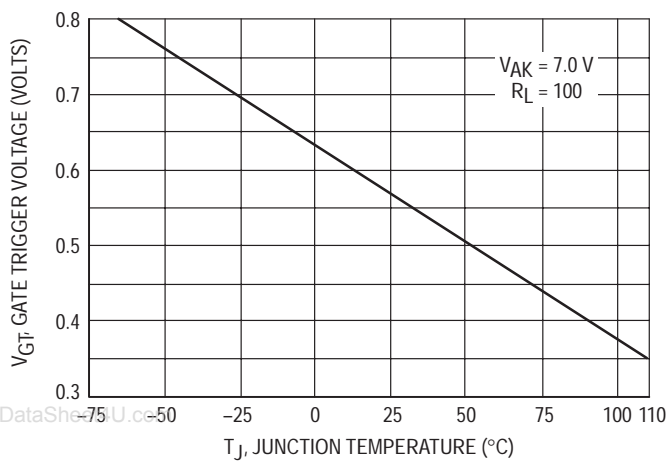
#### ● Absolute Maximum Ratings

Item	Symbols	Conditions	Value	Units
Peak Repetitive Forward Blocking Voltage	$V_{DRM}$	$I_{DRM}=20\mu A$	400	V
Peak Repetitive Reverse Blocking Voltage	$V_{RRM}$	$I_{DRM}=50\mu A$	400	V
Forward Average Current	$I_{T(AV)}$		1.5	A
Forward Current RMS	$I_{T(RMS)}$		2	A
Peak Forward Surge Current	$I_{TSM}$		15	A
Storage Temperature	$T_{stg}$		-40 to 120	

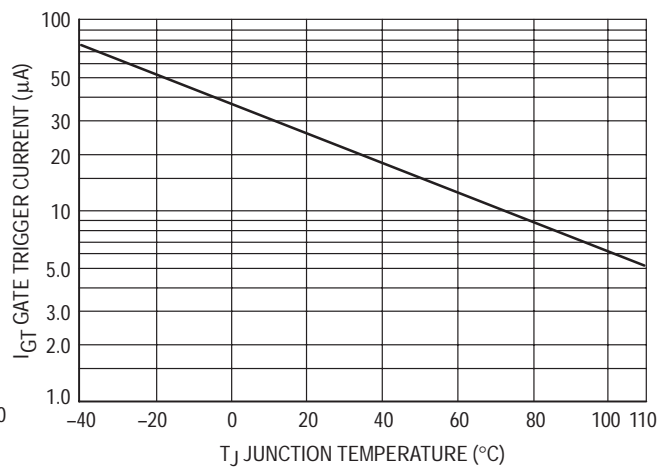
#### ● Electrical Characteristics ( $T_a=25$ Unless otherwise specified)

Item	Symbols	Conditions	Min	Max	Units
Forward "On" Voltage	$V_{TM}$	$I_T = 1.5A$	-	1.7	V
Gate Trigger Current	$I_{GT}$	$V_D=12V$	-	200	$\mu A$
Gate Trigger Voltage	$V_{GT}$	$V_D=12V$	-	0.8	V
Holding Current	$I_H$		-	5	mA

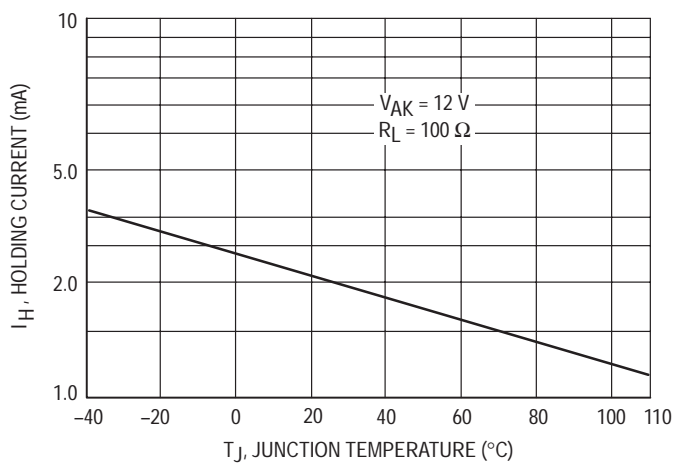
## Characteristic Curves



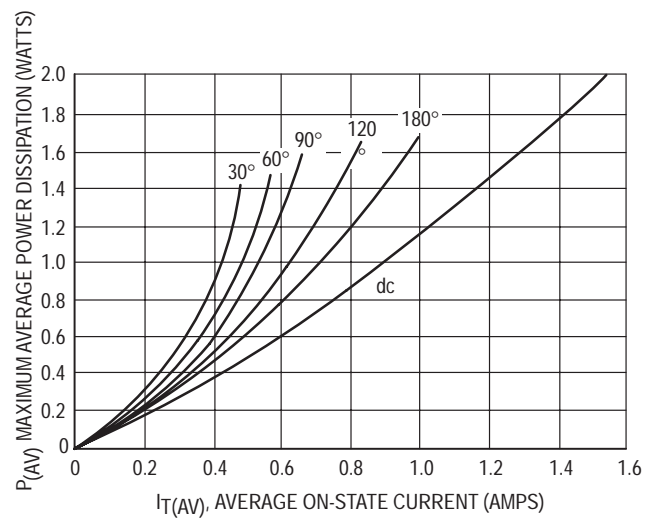
**Figure 1. Typical Gate Trigger Voltage**



**Figure 2. Typical Gate Trigger Current**



**Figure 3. Typical Holding Current**



**Figure 4. Power Dissipation**