

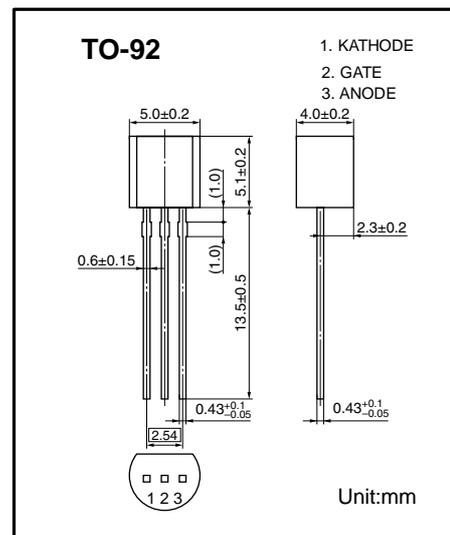
Silicon Controlled Rectifiers

■ Features

- I_{GT} : 200 μA
- $I_{T(AV)}$: 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	μA
Gate Trigger Voltage	V_{GT}	$V_D=12V$	-	0.8	V
Holding Current	I_H		-	5	mA

Characteristic Curves

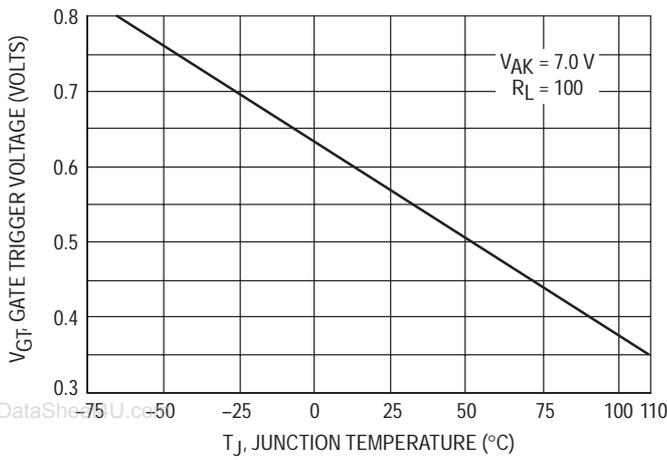


Figure 1. Typical Gate Trigger Voltage

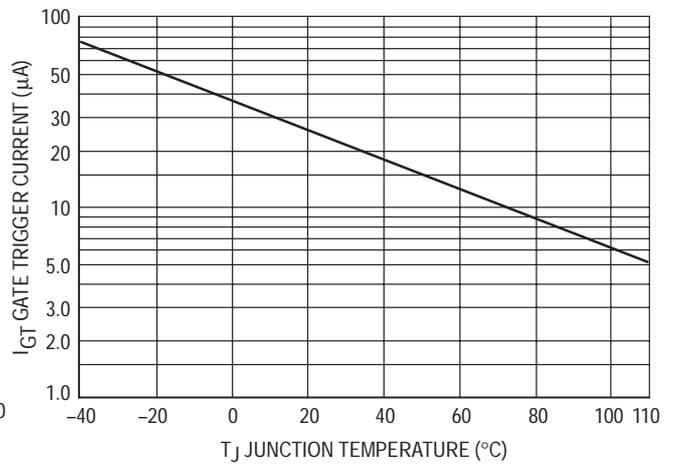


Figure 2. Typical Gate Trigger Current

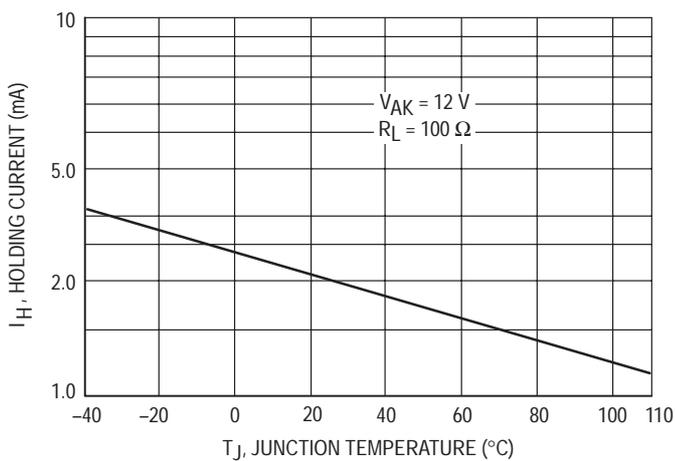


Figure 3. Typical Holding Current

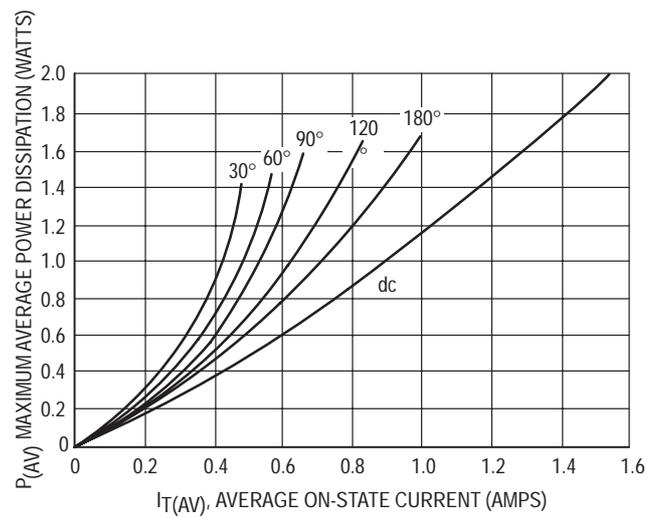


Figure 4. Power Dissipation