



Electrical Characteristics

	Value	Unit
Military Spec	N	
V _{DRM} Max	400	V
I _{TRMS} Max.	7	A
@Temp (Test Cond)	60	°C
I _{TSM} Max.	100	A
@t _w One Cycle	--	s
I _{GT} Max.	15	mA
V _{GT} Max	1.5	V
I _H Max. Holding Current	15	mA
I _D Max. Leakage Current	500	μA
@Temp (Test Cond)	100	°C
V _T Max.	2.6	V
@I _T (Test Cond)	30	A
dv/dt Min.	200	A/μs
tgt Turn On Time	1.2	μs
tq Typ.	65	μs
Minimum Op. Temp.	-65	°C
Maximum Op. Temp.	100	°C
Package Style	TO-205	
Mounting Style	Thru-hole	

Abstract

S2600D is a general purpose, high voltage, medium current Silicon Control Rectifier designed for switching AC and DC currents. The S2600D SCR is excellent for power switching, power control, and ignition applications, but can be utilized in a multitude of other electrical designs. This type utilizes the low-profile TO-205 can package style.

Features

- Low Switching Losses
- High Pulse Current Capability
- Low Forward and Reverse Leakage
- Sipos Oxide Glass Multilayer Passivation System
- Advanced Unisurface Construction
- Precise Ion Implanted Diffusion Source

Applications

- Power Switching
- Power Control
- Ignition Applications
- Lighting
- Motor Speed Control

Package Terminal Designations

