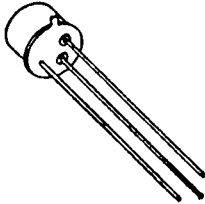


X00066

SFS2326 through SFS2329 1.6 AMP SILICON CONTROLLED RECTIFIER 200 - 400 VOLTS	SSDI
	14849 FIRESTONE BLVD. LA MIRADA, CA 90638 TEL: (213) 921-9660 FAX: (213) 921-2396

CASE STYLE T0-5



FEATURES

- ▶ LOW-LEVEL GATE CHARACTERISTICS
- ▶ IGT = 200 μ A (MAX) @ 25C
- ▶ LOW HOLDING CURRENT I_H = 1mA MAX @ 25 °C
- ▶ ANODE COMMON TO CASE
- ▶ HERMETICALLY SEALED

MAXIMUM RATINGS (T_J=125 °C unless otherwise noted. R_{GK}=1000 Ω)

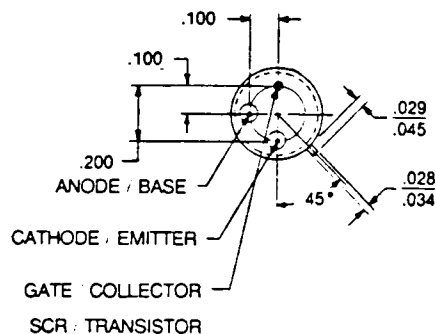
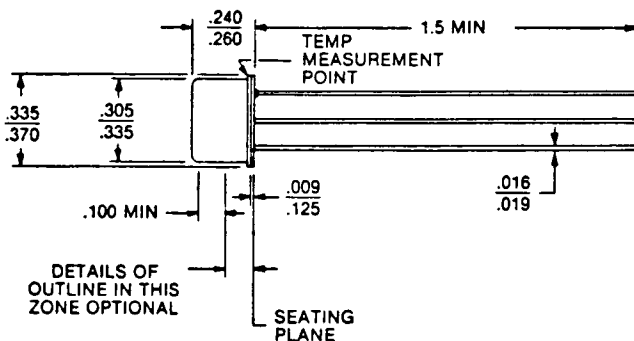
RATING	SYMBOL	VALUE	UNIT
Peak Repetitive Forward and Reverse Blocking Voltage SFS2326 SFS2327 SFS2328 SFS2329	VDRM and VRRM	200 250 300 400	Volts
Non-repetitive Peak Reverse Blocking Voltage (t < 5.0ms) SFS2326 SFS2327 SFS2328 SFS2329	VRSM	300 350 400 500	Volts
RMS On-State Current (All Conduction Angles)	I _T (RMS)	1.6	Amps
Peak Non-Repetitive Surge Current (One Cycle, 60Hz, T _C = 80 °C)	I _{TSM}	15	Amps
Peak Gate Power	PGM	0.1	Watt
Average Gate Power	PG(AV)	0.01	Watt
Peak Gate Current	IGM	0.1	Amps
Peak Gate Voltage	VGM	6.0	Volts
Operating Junction Temperature Range	T _J	-65 to +125	°C
Storage Temperature Range	T _{stg}	-65 to +150	°C
Thermal Resistance Junction to Case	θ_{JC}	30	°C/W

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	MIN	MAX	UNITS
Peak Reverse Blocking Current (Rated VRRM) TC = 25 °C	IRRM	-	1	μA
Peak Forward Blocking Current (Rated VDRM) TC = 25 °C TC = 125 °C	IDRM	-	1 100	μA
Peak On-State Voltage (IF = 1.6A Peak)	VTM	-	1.3	Volts
Gate Trigger Current * (VD = 6Vdc, RL = 100 Ω, TC=125 °C) (VD = 6Vdc, RL = 100 Ω, TC=-65 °C)	IGT	- -	200 350	μA
Gate Trigger Voltage (VD = 6Vdc, RL = 100 Ω, TC= 25 °C) (VD = 6Vdc, RL = 100 Ω, TC=-65 °C) (VD = 6Vdc, RL = 100 Ω, TC=125 °C)	VGT	- - 0.1	0.7 0.9 0.9	Volts
Holding Current (VD = 6Vdc, RKG = 1K Ω, TC= 25 °C) (VD = 6Vdc, RKG = 1K Ω, TC=-65 °C) (VD = 6Vdc, RKG = 1K Ω, TC=125 °C)	IH	0.8 1.5 0.15	2.0 3.0 -	mA

*) RGK current is not included in measurement.

PHYSICAL DIMENSIONS



CURRENT DERATING

FIGURE 1 - CASE TEMPERATURE

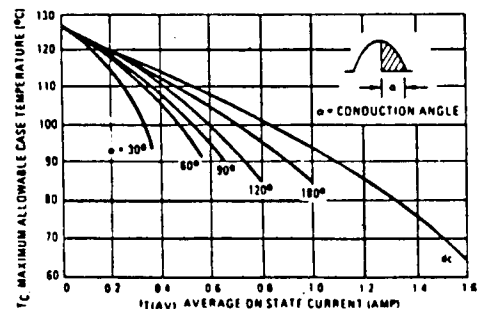
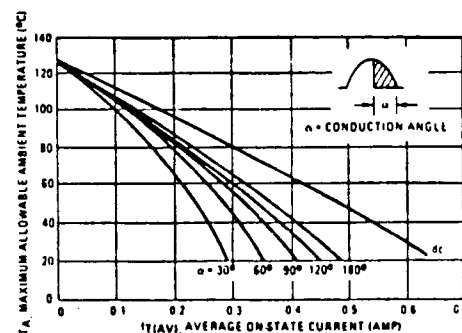


FIGURE 2 - AMBIENT TEMPERATURE



SSDI

SOLID STATE DEVICES, INC.

14830 Valley View Avenue
Telephone: (213) 921-9660

La Mirada, CA 90638
FAX: (213) 921-2396