



# **DESCRIPTION:**

The CENTRAL SEMICONDUCTOR 2N2322 Series types are hermetically sealed Silicon Controlled Rectifiers designed for sensing circuit applications and control systems.

### MARKING: FULL PART NUMBER

#### **MAXIMUM RATINGS:** (T<sub>C</sub>=25°C unless otherwise noted)

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	SYMBOL	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	UNITS
Peak Repetitive Forward Voltage	V <sub>DRM</sub>	25	50	100	150	200	250	300	400	V
Peak Repetitive Reverse Voltage	V <sub>RRM</sub>	25	50	100	150	200	250	300	400	V
Non-Repetitive Peak Reverse Voltage	VRSM	40	75	150	225	300	350	400	500	V
RMS On-State Current	IT(RMS)				1	.6				А
Average On-State Current (T <sub>C</sub> =85°C)	<sup>I</sup> T(AV)				1	.0				А
Peak One Cycle Surge (t=8.3ms)	ITSM				1	5				А
Peak Gate Power	PGM				0.	10				W
Average Gate Power	P <sub>G(AV)</sub>				0.	01				W
Peak Gate Current	I <sub>GM</sub>				0.	10				А
Peak Gate Voltage	V <sub>GM</sub>				6	.0				V
Junction Temperature	Тј				-65 to	+125				°C
Storage Temperature	T <sub>stg</sub>				-65 to	+150				°C

### ELECTRICAL CHARACTERISTICS: (T<sub>C</sub>=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
IDRM, IRRM	Rated $V_{DRM}$ , $V_{RRM}$ , $R_{GK}$ =1.0k $\Omega$		5.0	μΑ
lgt	V <sub>D</sub> =6.0V, R <sub>L</sub> =100Ω		200	μΑ
ΙΗ	V <sub>D</sub> =6.0V, R <sub>GK</sub> =1.0kΩ		2.0	mA
V <sub>GT</sub>	V <sub>D</sub> =6.0V, R <sub>L</sub> =100Ω		0.8	V
V <sub>TM</sub>	I <sub>TM</sub> =1.0A, tp=380µs		1.5	V

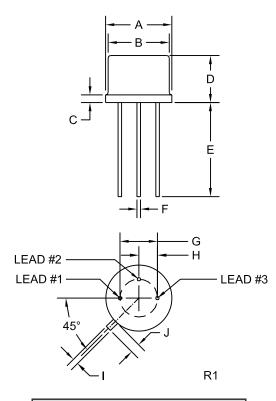
R0 (11-December 2008)



2N2322	2N2326
2N2323	2N2327
2N2324	2N2328
2N2325	2N2329

# SILICON CONTROLLED RECTIFIER 1.6 AMPS, 25 THRU 400 VOLTS

# **TO-39 CASE - MECHANICAL OUTLINE**



DIMENSIONS						
	INC	HES	MILLIMETERS			
SYMBOL	MIN	MAX	MIN	MAX		
A (DIA)	0.335	0.370	8.51	9.40		
B (DIA)	0.315	0.335	8.00	8.51		
С	-	0.040	-	1.02		
D	0.240	0.260	6.10	6.60		
Е	0.500	-	12.70	-		
F (DIA)	0.016	0.021	0.41	0.53		
G (DIA)	0.200		5.08			
Н	0.100		2.54			
	0.028	0.034	0.71	0.86		
J	0.029	0.045	0.74	1.14		
TO-39 (REV: R1)						

LEAD CODE:

1) CATHODE

2) GATE

3) ANODE (case)

# MARKING: FULL PART NUMBER

R0 (11-December 2008)

# **OUTSTANDING SUPPORT AND SUPERIOR SERVICES**



### **PRODUCT SUPPORT**

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- Inventory bonding
- Consolidated shipping options

- Custom bar coding for shipments
- Custom product packing

### DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2<sup>nd</sup> day air)
- Online technical data and parametric search
- SPICE models
- Custom electrical curves
- Environmental regulation compliance
- Customer specific screening
- Up-screening capabilities

- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- Application and design sample kits
- Custom product and package development

# CONTACT US

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