

2N2326A

SILICON CONTROLLED RECTIFIER  
1.6 AMP, 400 VOLT



TO-39 CASE

**Central**  
Semiconductor Corp.

[www.centrasemi.com](http://www.centrasemi.com)

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR 2N2326A is a hermetically sealed silicon controlled rectifier designed for sensing circuit applications and control systems.

**MARKING: FULL PART NUMBER**

**MAXIMUM RATINGS:** ( $T_C=25^\circ\text{C}$  unless otherwise noted)

	SYMBOL		UNITS
Peak Repetitive Forward Voltage	$V_{DRM}$	200	V
Peak Repetitive Reverse Voltage	$V_{RRM}$	200	V
Non-Repetitive Peak Reverse Voltage	$V_{RSM}$	300	V
RMS On-State Current	$I_T(\text{RMS})$	1.6	A
Average On-State Current ( $T_C=85^\circ\text{C}$ )	$I_T(\text{AV})$	1.0	A
Peak One Cycle Surge Current ( $t=8.3\text{ms}$ )	$I_{TSM}$	15	A
Peak Gate Power Dissipation	$P_{GM}$	100	mW
Average Gate Power Dissipation	$P_{G(\text{AV})}$	10	mW
Peak Gate Current	$I_{GM}$	100	mA
Peak Gate Voltage	$V_{GM}$	6.0	V
Operating Junction Temperature	$T_J$	-65 to +125	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-65 to +150	$^\circ\text{C}$

**ELECTRICAL CHARACTERISTICS:** ( $T_C=25^\circ\text{C}$  unless otherwise noted)

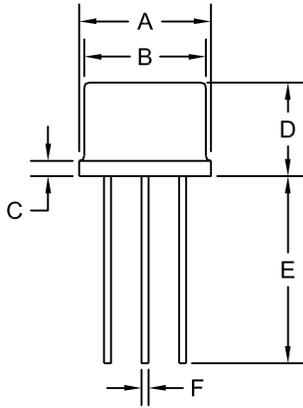
SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
$I_{DRM}$	$V_{DRM}=200\text{V}$ , $R_{GK}=2.0\text{K}\Omega$		5.0	$\mu\text{A}$
$I_{RRM}$	$V_{RRM}=200\text{V}$ , $R_{GK}=2.0\text{K}\Omega$		5.0	$\mu\text{A}$
$I_{GT}$	$V_D=6.0\text{V}$ , $R_L=100\Omega$		20	$\mu\text{A}$
$I_H$	$V_D=6.0\text{V}$ , $R_{GK}=2.0\text{K}\Omega$		2.0	mA
$V_{GT}$	$V_D=6.0\text{V}$ , $R_L=100\Omega$		0.6	V
$V_{TM}$	$I_T=1.0\text{A}$ , $t_p=380\mu\text{s}$		1.5	V

R0 (29-June 2016)

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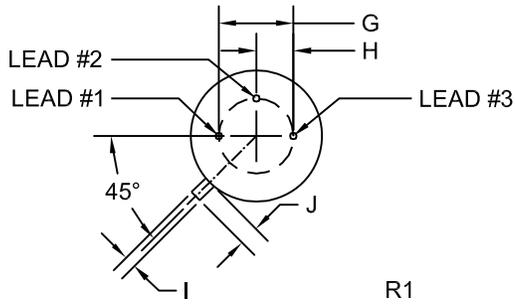


**TO-39 CASE - MECHANICAL OUTLINE**



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A (DIA)	0.335	0.370	8.51	9.40
B (DIA)	0.315	0.335	8.00	8.51
C	-	0.040	-	1.02
D	0.240	0.260	6.10	6.60
E	0.500	-	12.70	-
F (DIA)	0.016	0.021	0.41	0.53
G (DIA)	0.200		5.08	
H	0.100		2.54	
I	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 (29-June 2016)

## OUTSTANDING SUPPORT AND SUPERIOR SERVICES



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### 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

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### 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

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### REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

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### CONTACT US

#### Corporate Headquarters & Customer Support Team

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