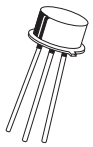
**2N2322 2N2326**
**2N2323 2N2327**
**2N2324 2N2328**
**2N2325 2N2329**

**SILICON CONTROLLED RECTIFIER**
**1.6 AMPS, 25 THRU 400 VOLTS**



**TO-39 CASE**

**Central™**
**Semiconductor Corp.**

**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:** ($T_C$=25°C unless otherwise noted)

| | | 2N23__ | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **SYMBOL** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **UNITS** |
| Peak Repetitive Forward Voltage | $V_{DRM}$ | 25 | 50 | 100 | 150 | 200 | 250 | 300 | 400 | V |
| Peak Repetitive Reverse Voltage | $V_{RRM}$ | 25 | 50 | 100 | 150 | 200 | 250 | 300 | 400 | V |
| Non-Repetitive Peak Reverse Voltage | $V_{RSM}$ | 40 | 75 | 150 | 225 | 300 | 350 | 400 | 500 | V |
| RMS On-State Current | $I_{T(RMS)}$ | 1.6 | | | | | | | | A |
| Average On-State Current ($T_C$=85°C) | $I_{T(AV)}$ | 1.0 | | | | | | | | A |
| Peak One Cycle Surge (t=8.3ms) | $I_{TSM}$ | 15 | | | | | | | | A |
| Peak Gate Power | $P_{GM}$ | 0.10 | | | | | | | | W |
| Average Gate Power | $P_{G(AV)}$ | 0.01 | | | | | | | | W |
| Peak Gate Current | $I_{GM}$ | 0.10 | | | | | | | | A |
| Peak Gate Voltage | $V_{GM}$ | 6.0 | | | | | | | | V |
| Junction Temperature | $T_J$ | -65 to +125 | | | | | | | | °C |
| Storage Temperature | $T_{stg}$ | -65 to +150 | | | | | | | | °C |

**ELECTRICAL CHARACTERISTICS:** ($T_C$=25°C unless otherwise noted)

| **SYMBOL** | **TEST CONDITIONS** | **MIN** | **MAX** | **UNITS** |
|---|---|---|---|---|
| $I_{DRM}$, $I_{RRM}$ | Rated $V_{DRM}$, $V_{RRM}$, $R_{GK}$=1.0kΩ | | 5.0 | μA |
| $I_{GT}$ | $V_D$=6.0V, $R_L$=100Ω | | 200 | μA |
| $I_H$ | $V_D$=6.0V, $R_{GK}$=1.0kΩ | | 2.0 | mA |
| $V_{GT}$ | $V_D$=6.0V, $R_L$=100Ω | | 0.8 | V |
| $V_{TM}$ | $I_{TM}$=1.0A, tp=380μs | | 1.5 | V |

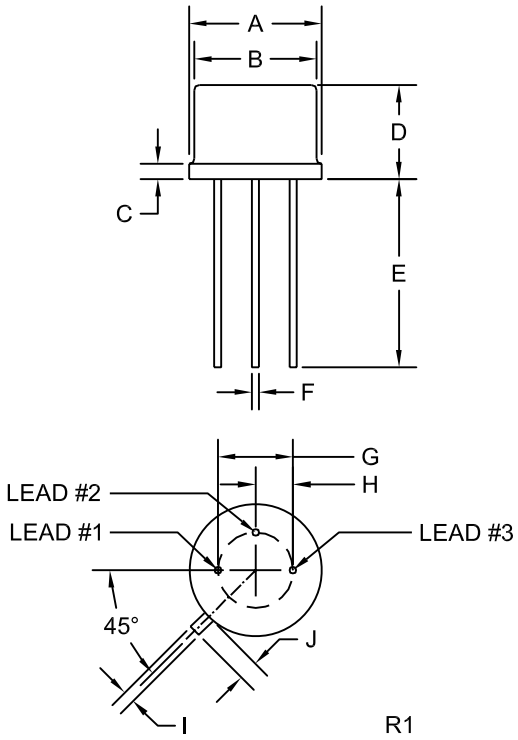
R0 (11-December 2008)

**Central™**
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**2N2322 2N2326**
**2N2323 2N2327**
**2N2324 2N2328**
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**SILICON CONTROLLED RECTIFIER**
**1.6 AMPS, 25 THRU 400 VOLTS**

**TO-39 CASE - MECHANICAL OUTLINE**




| DIMENSIONS | | | | |
|---|---|---|---|---|
| | INCHES | | 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 |
| 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 (11-December 2008)