

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

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



TO-39 CASE

CentralTM 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)

	SYMBOL	2N23__								UNITS
		<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	
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 _{RSM}	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, t _p =380μs		1.5	V

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TO-39 CASE - MECHANICAL OUTLINE



SYMBOL	DIMENSIONS			
	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 (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 (2nd 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

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).

CONTACT US

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