

**SURFACE MOUNT
HIGH CURRENT
SILICON SWITCHING DIODE**



The CENTRAL SEMICONDUCTOR CMPD1001 series types are silicon switching diodes manufactured by the epitaxial planar process, designed for applications requiring high current capability.

MARKING CODE: L20
MARKING CODE: L22
MARKING CODE: L21

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I_R	$V_R=90V$		100	nA
I_R	$V_R=90V, T_A=150^{\circ}C$		100	μA
BV_R	$I_R=100\mu A$	90		V
V_F	$I_F=10mA$		0.75	V
V_F	$I_F=50mA$		0.84	V
V_F	$I_F=100mA$		0.90	V
V_F	$I_F=200mA$		1.00	V
V_F	$I_F=400mA$		1.25	V
C_T	$V_R=0, f=1.0MHz$		35	pF
t_{rr}	$I_R=I_F=30mA, Rec. to 3.0mA, R_L=100\Omega$		50	ns

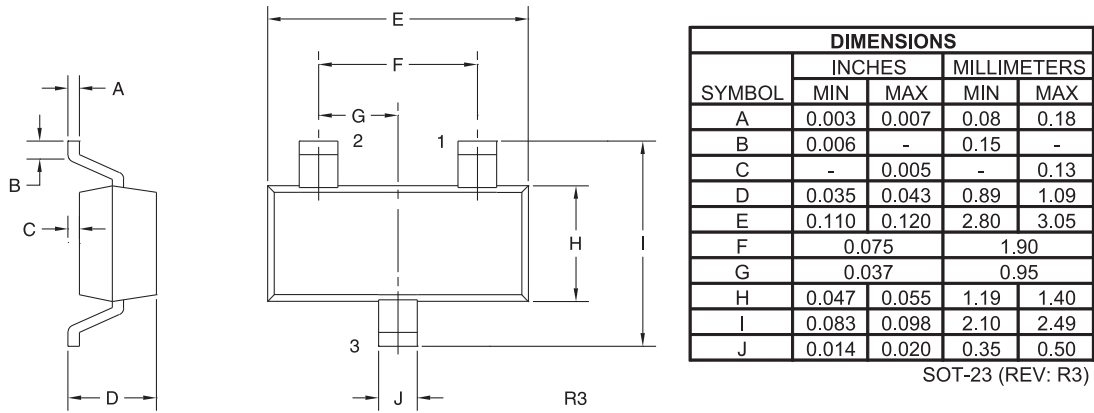
R6 (25-January 2010)

CMPD1001
CMPD1001A
CMPD1001S

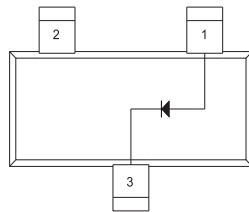
**SURFACE MOUNT
HIGH CURRENT
SILICON SWITCHING DIODE**



SOT-23 CASE - MECHANICAL OUTLINE



PIN CONFIGURATIONS

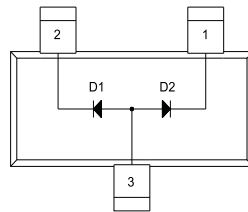


CMPD1001

LEAD CODE:

- 1) Anode
- 2) No Connection
- 3) Cathode

MARKING CODE: L20

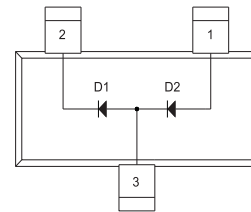


CMPD1001A

LEAD CODE:

- 1) Cathode D2
- 2) Cathode D1
- 3) Anode D1, Anode D2

MARKING CODE: L22



CMPD1001S

LEAD CODE:

- 1) Anode D2
- 2) Cathode D1
- 3) Anode D1, Cathode D2

MARKING CODE: L21

R6 (25-January 2010)

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

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp.
145 Adams Avenue
Hauppauge, NY 11788 USA
Main Tel: (631) 435-1110
Main Fax: (631) 435-1824
Support Team Fax: (631) 435-3388
www.centrasemi.com

Worldwide Field Representatives:
www.centrasemi.com/wwreps

Worldwide Distributors:
www.centrasemi.com/wwdistributors

For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: www.centrasemi.com/terms