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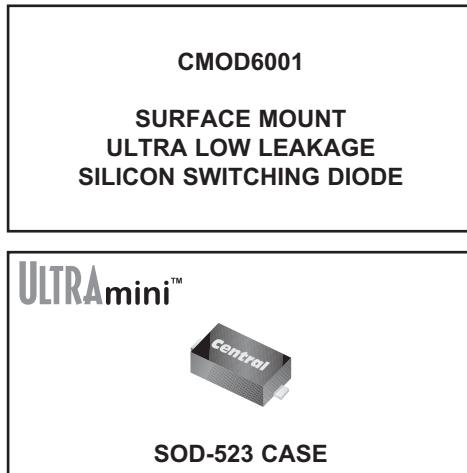
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[Central Semiconductor Corp](#)

[CMOD6001 TR](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMOD6001 type is a silicon switching diode manufactured by the epitaxial planar process, epoxy molded in a ULTRAmiini™ surface mount package, designed for switching applications requiring a extremely low leakage diode.

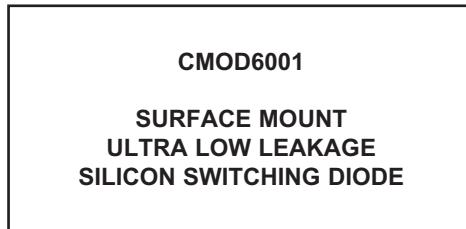
MARKING CODE: 61

MAXIMUM RATINGS: (T_A=25°C)

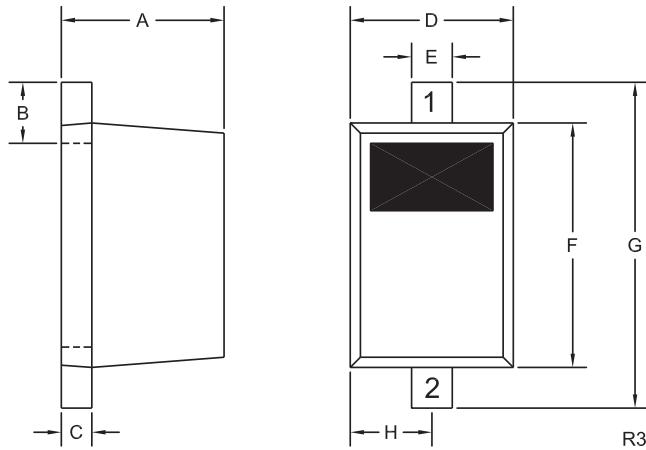
	SYMBOL	UNITS
Continuous Reverse Voltage	V _R	V
Peak Repetitive Reverse Voltage	V _{RRM}	V
Continuous Forward Current	I _F	mA
Peak Repetitive Forward Current	I _{FRM}	mA
Peak Forward Surge Current, t _p =1.0μs	I _{FSM}	A
Peak Forward Surge Current, t _p =1.0s	I _{FSM}	A
Power Dissipation	P _D	mW
Operating and Storage Junction Temperature	T _J , T _{stg}	°C
Thermal Resistance	θ _{JA}	°C/W

ELECTRICAL CHARACTERISTICS: (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I _R	V _R =75V		500	pA
BV _R	I _R =100μA	100		V
V _F	I _F =1.0mA		0.85	V
V _F	I _F =10mA		0.95	V
V _F	I _F =100mA		1.1	V
C _T	V _R =0, f=1.0MHz		2.0	pF
t _{rr}	I _R =I _F =10mA I _{rr} =1.0mA, R _L =100Ω		3.0	μs



SOD-523 CASE - MECHANICAL OUTLINE



LEAD CODE:

1) Cathode
2) Anode

MARKING CODE: 61

SYMBOL	DIMENSIONS		INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX	MIN	MAX
A	0.020	0.031	0.50	0.80		
B	0.008	0.016	0.20	0.40		
C	0.002	0.008	0.05	0.20		
D	0.028	0.035	0.70	0.90		
E	0.008	0.014	0.20	0.35		
F	0.039	0.055	1.00	1.40		
G	0.055	0.071	1.40	1.80		
H	0.016		0.40			

SOD-523 (REV: R3)

R6 (9-May 2011)

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

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.centralsemi.com

Worldwide Field Representatives:
www.centralsemi.com/wwreps

Worldwide Distributors:
www.centralsemi.com/wwdistributors

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