

Excellent Integrated System Limited

Stocking Distributor

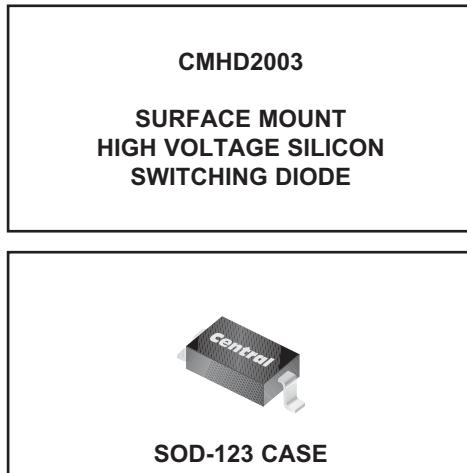
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Central Semiconductor Corp](#)

[CMHD2003 TR](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMHD2003 is a Silicon Switching Diode, manufactured by the epitaxial planar process, epoxy molded in a SOD-123 surface mount package, designed for applications requiring high voltage capability.

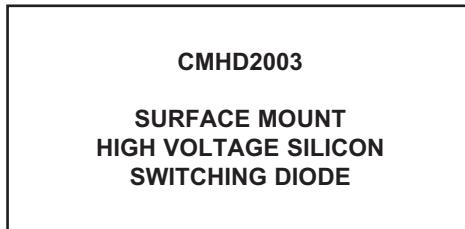
MARKING CODE: C03

MAXIMUM RATINGS: (T_A=25°C)

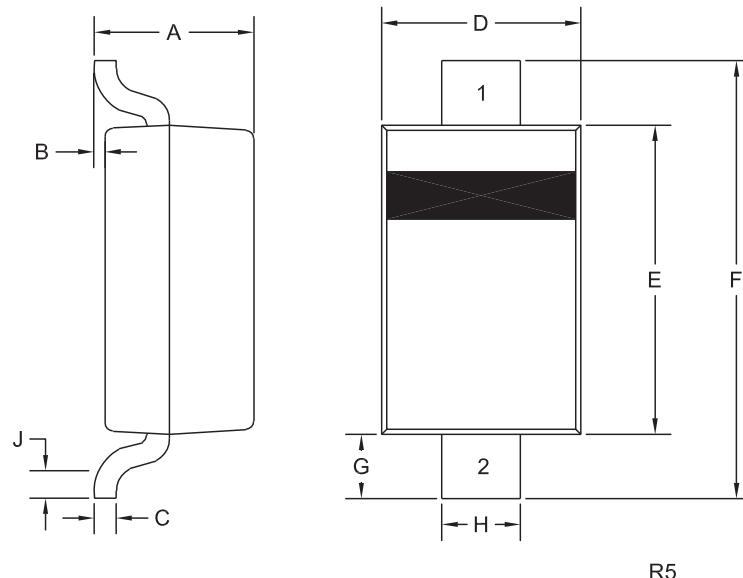
	SYMBOL		UNITS
Continuous Reverse Voltage	V _R	250	V
Continuous Forward Current	I _F	250	mA
Average Rectified Current	I _O	200	mA
Peak Repetitive Forward Current	I _{FRM}	625	mA
Peak Forward Surge Current, t _p <1.0s (T _C =25°C)	I _{FSM}	1.0	A
Power Dissipation	P _D	400	mW
Operating and Storage Junction Temperature	T _J , T _{stg}	-65 to +150	°C
Thermal Resistance	Θ _{JA}	312.5	°C/W

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I _R	V _R =200V			100	nA
I _R	V _R =200V, T _C =100°C			15	µA
V _F	I _F =100mA			1.0	V
C _T	V _R =0, f=1.0MHz		1.5		pF
t _{rr}	I _F =I _R =30mA, R _L =100Ω, Rec. to 3.0mA			50	ns



SOD-123 CASE - MECHANICAL OUTLINE



LEAD CODE
1) Cathode
2) Anode

MARKING CODE: C03

SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.037	0.053	0.95	1.35
B	0.000	0.005	0.00	0.12
C	-	0.008	-	0.20
D	0.055	0.071	1.40	1.80
E	0.098	0.110	2.50	2.80
F	0.142	0.154	3.60	3.90
G	0.016	-	0.40	-
H	0.020	0.028	0.50	0.70
J	0.010	-	0.25	-

SOD-123 (REV:R5)

R5 (5-August 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

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

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.centralsemi.com/terms