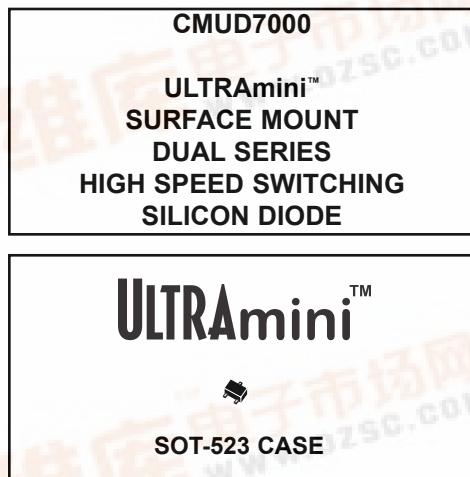


[查询CMUD7000供应商](#)

[捷多邦，专业PCB打样工厂，24小时加急出货](#)



MAXIMUM RATINGS: ($T_A=25^\circ\text{C}$)

Peak Repetitive Reverse Voltage
Average Forward Current
Peak Forward Current
Power Dissipation
Operating and Storage
Junction Temperature
Thermal Resistance

SYMBOL	UNITS
V_{RRM}	V
I_O	mA
I_{FM}	mA
P_D	mW
T_J, T_{stg}	$^\circ\text{C}$
Θ_{JA}	$^\circ\text{C}/\text{W}$

ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
B_{VR}	$I_R=100\mu\text{A}$	100			V
I_R	$V_R=50\text{V}$			300	nA
I_R	$V_R=50\text{V}, T_A=125^\circ\text{C}$			100	μA
I_R	$V_R=100\text{V}$			500	nA
V_F	$I_F=1.0\text{mA}$	0.55		0.70	V
V_F	$I_F=10\text{mA}$	0.67		0.82	V
V_F	$I_F=100\text{mA}$	0.75		1.10	V
C_T	$V_R=0, f=1 \text{ MHz}$			1.5	pF
t_{rr}	$I_R=I_F=10\text{mA}, R_L=100\Omega, \text{Rec. to } 1.0\text{mA}$	2.0		4.0	ns

R0 (15-August 2001)

Central™
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMUD7000 type is an ultra-high speed silicon switching diode manufactured by the epitaxial planar process, in an epoxy molded ULTRAmini™ surface mount package, connected in a series configuration, designed for high speed switching applications.
Marking Code is CC5.

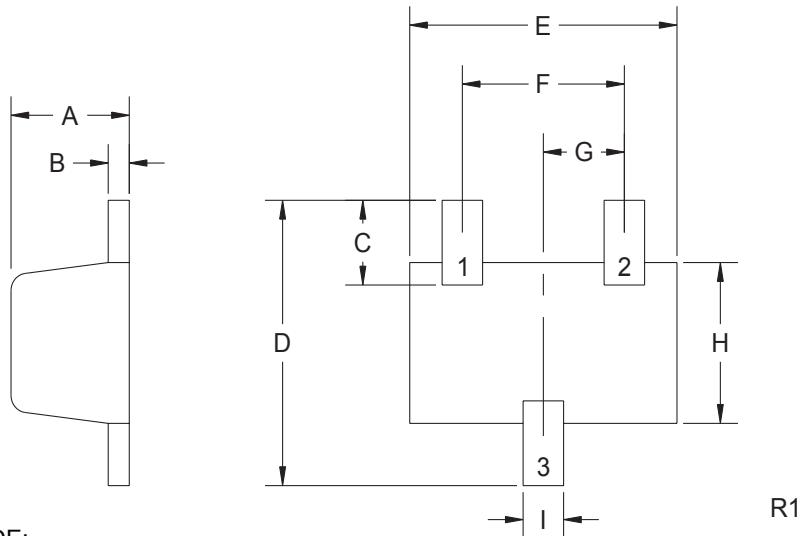
CentralTM
Semiconductor Corp.

CMUD7000

ULTRAmini™
SURFACE MOUNT
DUAL SERIES
HIGH SPEED SWITCHING
SILICON DIODE

SOT-523 CASE - MECHANICAL OUTLINE

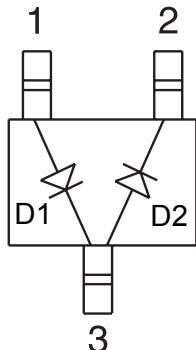
BOTTOM VIEW



LEAD CODE:

- 1) ANODE D1
- 2) CATHODE D2
- 3) CATHODE D1, ANODE D2

Bottom View



MARKING CODE: CC5

SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.025	0.029	0.63	0.73
B	0.004	0.005	0.10	0.13
C	0.015	0.019	0.39	0.49
D	0.061	0.065	1.55	1.65
E	0.061	0.065	1.55	1.65
F	0.039	0.040	0.98	1.02
G	0.019	0.020	0.48	0.52
H	0.033	0.037	0.83	0.93
I	0.009	0.010	0.23	0.25

SOT-523 (REV: R1)

R0 (15-August 2001)