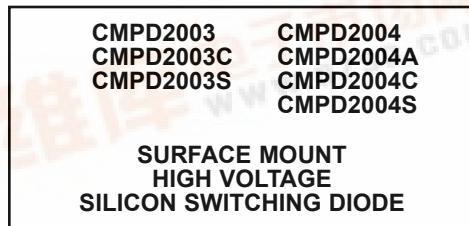


[查询CMPD2004A供应商](#)

[捷多邦，专业PCB打样工厂，24小时加急出货](#)



The following configurations are available:

CMPD2003	SINGLE	MARKING CODE: A82
CMPD2003C	DUAL, COMMON CATHODE	MARKING CODE: C3C
CMPD2003S	DUAL, IN SERIES	MARKING CODE: C3S
CMPD2004	SINGLE	MARKING CODE: D53
CMPD2004A	DUAL, COMMON ANODE	MARKING CODE: DB8
CMPD2004C	DUAL, COMMON CATHODE	MARKING CODE: DB7
CMPD2004S	DUAL, IN SERIES	MARKING CODE: DB6

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

	SYMBOL	CMPD2003	CMPD2004	UNITS
Continuous Reverse Voltage	V_R	200	240	V
Peak Repetitive Reverse Voltage	V_{RRM}	250	300	V
Peak Repetitive Reverse Current	I_O	200	200	mA
Continuous Forward Current	I_F	250	225	mA
Peak Repetitive Forward Current	I_{FRM}		625	mA
Forward Surge Current, $t_p=1.0 \mu\text{s}$	I_{FSM}		4.0	A
Forward Surge Current, $t_p=1.0 \text{ s}$	I_{FSM}		1.0	A
Power Dissipation	P_D		350	mW
Operating and Storage Junction Temperature	T_J, T_{stg}		-65 to +150	°C
Thermal Resistance	Θ_{JA}		357	°C/W

R7 (6-August 2003)

CentralTM
Semiconductor Corp.

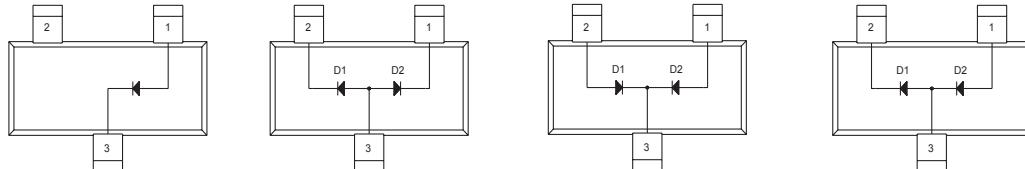
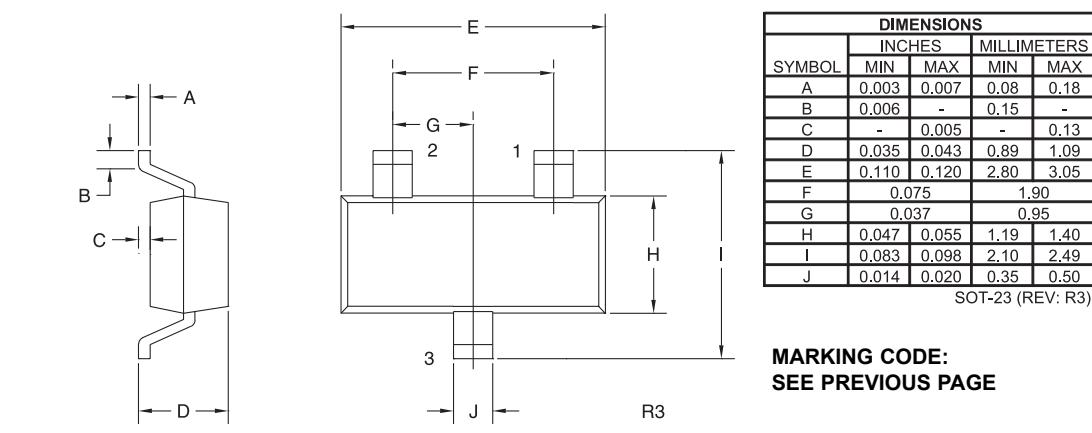
CMPD2003	CMPD2004
CMPD2003C	CMPD2004A
CMPD2003S	CMPD2004C
CMPD2004S	

**SURFACE MOUNT
HIGH VOLTAGE
SILICON SWITCHING DIODE**

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

SYMBOL	TEST CONDITIONS			CMPD2004		UNITS
		MIN	MAX	MIN	MAX	
BV_R	$I_R=100\mu\text{A}$	250		300		V
I_R	$V_R=200\text{V}$		100		-	nA
I_R	$V_R=200\text{V}, T_A=150^\circ\text{C}$		100		-	μA
I_R	$V_R=240\text{V}$		-	100	100	nA
I_R	$V_R=240\text{V}, T_A=150^\circ\text{C}$		-	100	100	μA
V_F	$I_F=100\text{mA}$		1.0	1.0	1.0	V
V_F	$I_F=200\text{mA}$		1.25	-	-	V
C_T	$V_R=0\text{V}, f=1.0 \text{ MHz}$		5.0	5.0	5.0	pF
t_{rr}	$I_R=I_F=30\text{mA}, R_L=100\Omega, \text{Rec. to } 3.0\text{mA}$		50	50	50	ns

SOT-23 CASE - MECHANICAL OUTLINE



LEAD CODE:

CMPD2003

CMPD2004

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

LEAD CODE:

CMPD2004A

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

LEAD CODE:

CMPD2003C

CMPD2004C

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

LEAD CODE:

CMPD2003S

CMPD2004S

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