

CMPD2003	CMPD2004
CMPD2003A	CMPD2004A
CMPD2003C	CMPD2004C
CMPD2003S	CMPD2004S

**SURFACE MOUNT  
HIGH VOLTAGE  
SILICON SWITCHING DIODE**



**SOT-23 CASE**



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**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CMPD2003, CMPD2003A, CMPD2003C, CMPD2003S, CMPD2004, CMPD2004A, CMPD2004C and CMPD2004S types are silicon switching diodes manufactured by the epitaxial planar process, designed for applications requiring high voltage capability.

The following configurations are available:

<b>CMPD2003</b>	SINGLE
<b>CMPD2003A</b>	DUAL, COMMON ANODE
<b>CMPD2003C</b>	DUAL, COMMON CATHODE
<b>CMPD2003S</b>	DUAL, IN SERIES
<b>CMPD2004</b>	SINGLE
<b>CMPD2004A</b>	DUAL, COMMON ANODE
<b>CMPD2004C</b>	DUAL, COMMON CATHODE
<b>CMPD2004S</b>	DUAL, IN SERIES

<b>MARKING CODE: A82</b>
<b>MARKING CODE: 8A2</b>
<b>MARKING CODE: C3C</b>
<b>MARKING CODE: C3S</b>
<b>MARKING CODE: D53</b>
<b>MARKING CODE: DB8</b>
<b>MARKING CODE: DB7</b>
<b>MARKING CODE: DB6</b>

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

Continuous Reverse Voltage	$V_R$	200	240	V
Peak Repetitive Reverse Voltage	$V_{RRM}$	250	300	V
Average Forward Current	$I_O$	200	200	mA
Continous Forward Current	$I_F$	250	225	mA
Peak Repetitive Forward Current	$I_{FRM}$		625	mA
Peak Forward Surge Current, $t_p=1.0\mu\text{s}$	$I_{FSM}$		4.0	A
Peak 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	$\theta_{JA}$		357	°C/W

SYMBOL	<b>CMPD2003S</b>	<b>CMPD2004S</b>	UNITS
$V_R$	200	240	V
$V_{RRM}$	250	300	V
$I_O$	200	200	mA
$I_F$	250	225	mA
$I_{FRM}$		625	mA
$I_{FSM}$		4.0	A
$I_{FSM}$		1.0	A
$P_D$		350	mW
$T_J, T_{stg}$		-65 to +150	°C
$\theta_{JA}$		357	°C/W

