

Central  
Semiconductor Corp.

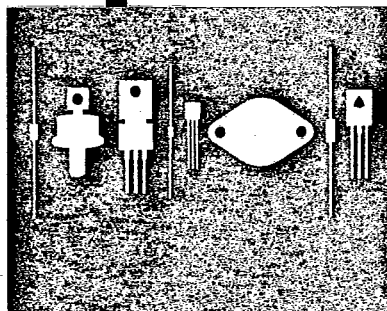
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145 Adams Avenue  
Hauppauge, New York 11788

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# SMD

SURFACE MOUNTED DEVICES

DIODE: SOT-23, SOT-143, SOD-80

ZENER DIODE: SOT-23, SOD-80

BRIDGE RECTIFIER: SOT-143

SCHOTTKY RECTIFIER: SOT-89

T-23-05

CENTRAL SEMICONDUCTOR'S surface mounted devices are assembled on a highly automated, quality production line. Part numbers not listed herein, such as Pro-Electron types (BC, BCV etc...) are also available. All devices are available bulk or T/R and are anti-static packaged.

### SILICON DIODES, SOT-23 AND SOT-143 CASE, SINGLE AND DUAL CHIP:

TYPE NO.	DESCRIPTION	CASE	V <sub>RRM</sub> (V)	I <sub>O</sub> (mA)	V <sub>F</sub> (V) MAX @	I <sub>F</sub> (mA)	t <sub>rr</sub> (ns) MAX	MARKING	SIMILAR LEADED
BAS28	DUAL, ISOLATED	SOT-143	85	250	1.0	50	6.0	A61	1N914/4148
CMPD914	SINGLE, SWITCHING	SOT-23	100	200	1.0	10	4.0	C5D	1N914/4148
CMPD2836	DUAL, COMMON ANODE	SOT-23	75	200	1.0	50	6.0	CA2	1N914/4148
CMPD2838	DUAL, COMMON CATHODE	SOT-23	75	200	1.0	50	6.0	CA6	1N914/4148
CMPD4448	SINGLE, SWITCHING	SOT-23	100	200	1.0	100	4.0	AAD	1N914B/4448
CMPD7000	DUAL, IN SERIES	SOT-23	100	200	1.1	100	15	C5C	1N914/4148

### SILICON DIODES, SOD-80 CASE:

TYPE NO.	DESCRIPTION	V <sub>RRM</sub> (V)	I <sub>O</sub> (mA)	V <sub>F</sub> (V) MAX @	I <sub>F</sub> (mA)	t <sub>rr</sub> (ns) MAX	MARKING	SIMILAR LEADED
CLL914	SWITCHING DIODE	100	200	1.0	10	4.0	BLACK BAND	1N914/4148
CLL4150	SWITCHING DIODE	50	200	1.0	200	4.0	GREEN BAND	1N3600/4150
CLL4448	SWITCHING DIODE	100	200	1.0	100	4.0	BLUE BAND	1N914B/4448

### SILICON BRIDGE RECTIFIER, SOT-143 CASE:

TYPE NO.	DESCRIPTION	V <sub>RRM</sub> (V)	I <sub>O</sub> (mA)	V <sub>F</sub> (V) MAX @	I <sub>F</sub> (mA)	t <sub>rr</sub> (ns) MAX	MARKING
CMPB-010	BRIDGE RECTIFIER	100	200	1.2	100	6.0	CU1

### SCHOTTKY RECTIFIER, SOT-89 CASE:

TYPE NO.	DESCRIPTION	V <sub>RRM</sub> (V)	I <sub>O</sub> (mA)	V <sub>F</sub> (V) MAX @	I <sub>F</sub> (mA)	MARKING	SIMILAR LEADED
CXSH-4	SCHOTTKY	40	1000	0.55	1000	CXSH-4	1N5817/5818/5819

### ZENER DIODES, SOT-23 CASE, P<sub>D</sub>=0.35 WATT, 5% TOLERANCE

CMPZ5233B THRU CMPZ5256B V<sub>Z</sub>=6.0V THRU 30V SIMILAR LEADED: 1N5233B THRU 1N5256B

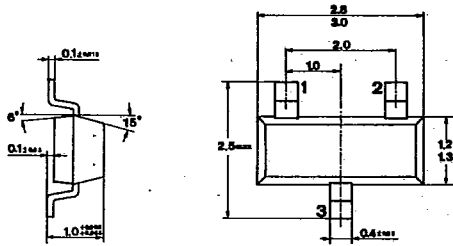
### ZENER DIODES, SOD-80 CASE, P<sub>D</sub>=0.5 WATT, 5% TOLERANCE

CLL5233B THRU CLL5256B V<sub>Z</sub>=6.0V THRU 30V SIMILAR LEADED: 1N5233B THRU 1N5256B

OUTLINE DRAWING:

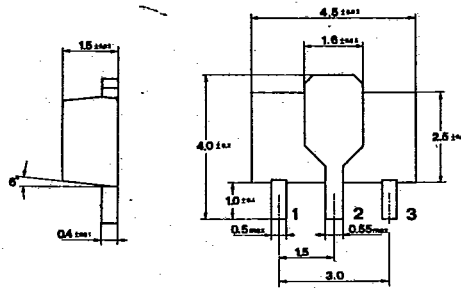
**SOT-23**

(TOP VIEW)



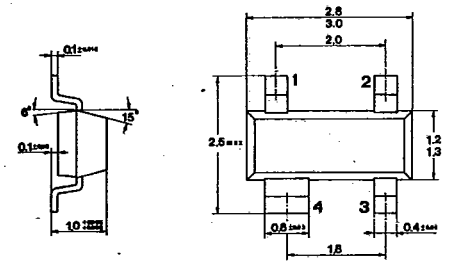
**SOT-89**

(BOTTOM VIEW)

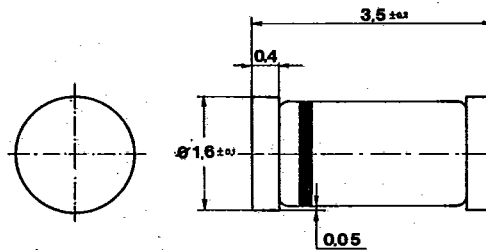


**SOT-143**

(TOP VIEW)



**SOD-80**



ALL DIMENSIONS IN mm.

LEAD CODE

SOT-23 DIODE(SINGLE)  
 SOT-23 DIODE(DUAL,COMMON CATHODE)  
 SOT-23 DIODE(DUAL,COMMON ANODE)  
 SOT-23 DIODE(DUAL IN SERIES)  
 SOT-23 ZENER DIODE  
 SOT-89 SCHOTTKY RECTIFIER

PIN 1

NO CONNECTION  
 ANODE  
 CATHODE  
 CATHODE  
 NO CONNECTION  
 ANODE

PIN 2

ANODE  
 ANODE  
 CATHODE  
 ANODE  
 ANODE  
 CATHODE

PIN 3

CATHODE  
 CATHODE  
 ANODE  
 CATHODE,ANODE  
 CATHODE  
 ANODE

PIN 1

SOT-143 DIODE(DUAL, ISOLATED) ANODE #1  
 SOT-143 BRIDGE RECTIFIER AC

PIN 2

ANODE #2  
 NEGATIVE

PIN 3

CATHODE #2  
 AC

PIN 4

CATHODE #1  
 POSTIVE