

CMPD6263  
 CMPD6263A  
 CMPD6263C  
 CMPD6263S

**SURFACE MOUNT SILICON  
 SCHOTTKY DIODES**



[www.centrasemi.com](http://www.centrasemi.com)

**DESCRIPTION:**

The CENTRAL SEMICONDUCTOR CMPD6263 series devices are silicon Schottky diodes designed for low current surface mount fast switching applications requiring a low forward voltage drop.



**SOT-23 CASE**

The following configurations are available:

- CMPD6263 SINGLE
- CMPD6263A DUAL, COMMON ANODE
- CMPD6263C DUAL, COMMON CATHODE
- CMPD6263S DUAL, IN SERIES

- MARKING CODE: D76**
- MARKING CODE: D98**
- MARKING CODE: D97**
- MARKING CODE: D96**

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

- Peak Repetitive Reverse Voltage
- Continuous Forward Current
- Peak Forward Surge Current,  $t_p=1.0\text{s}$
- Power Dissipation
- Operating and Storage Junction Temperature
- Thermal Resistance

**SYMBOL**

$V_{RRM}$	70
$I_F$	15
$I_{FSM}$	50
$P_D$	350
$T_J, T_{stg}$	-65 to +150
$\theta_{JA}$	357

**UNITS**

- V
- mA
- mA
- mW
- $^\circ\text{C}$
- $^\circ\text{C/W}$

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
$I_R$	$V_R=50\text{V}$		10	200	nA
$BV_R$	$I_R=10\mu\text{A}$	70			V
$V_F$	$I_F=1.0\text{mA}$		395	410	mV
$C_J$	$V_R=0, f=1.0\text{MHz}$			2.0	pF

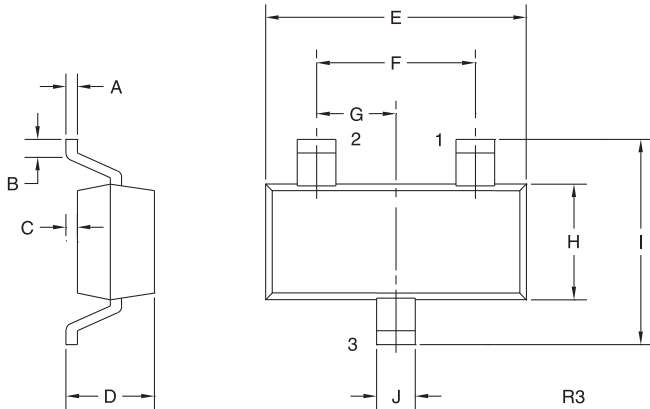
R7 (11-December 2015)

CMPD6263  
 CMPD6263A  
 CMPD6263C  
 CMPD6263S

**SURFACE MOUNT SILICON  
 SCHOTTKY DIODES**



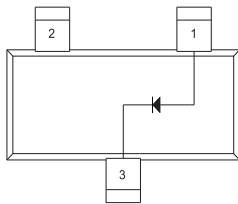
**SOT-23 CASE - MECHANICAL OUTLINE**



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.003	0.007	0.08	0.18
B	0.006	-	0.15	-
C	-	0.005	-	0.13
D	0.035	0.043	0.89	1.09
E	0.110	0.120	2.80	3.05
F	0.075		1.90	
G	0.037		0.95	
H	0.047	0.055	1.19	1.40
I	0.083	0.098	2.10	2.49
J	0.014	0.020	0.35	0.50

SOT-23 (REV: R3)

**PIN CONFIGURATIONS**

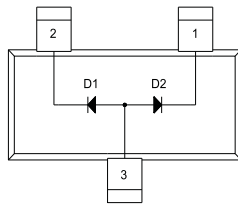


**CMPD6263**

**LEAD CODE:**

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

**MARKING CODE: D76**

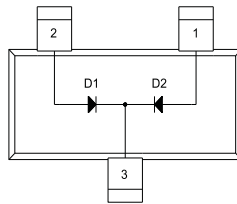


**CMPD6263A**

**LEAD CODE:**

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

**MARKING CODE: D98**

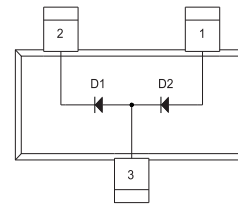


**CMPD6263C**

**LEAD CODE:**

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

**MARKING CODE: D97**



**CMPD6263S**

**LEAD CODE:**

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

**MARKING CODE: D96**

R7 (11-December 2015)

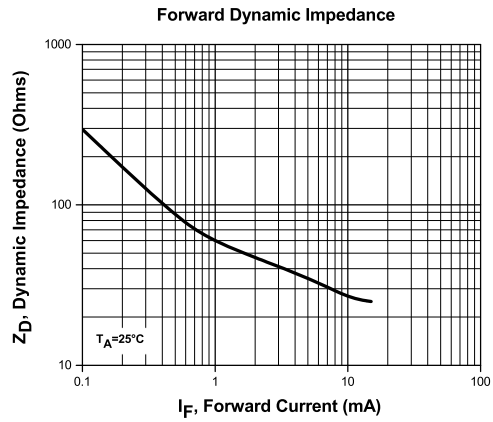
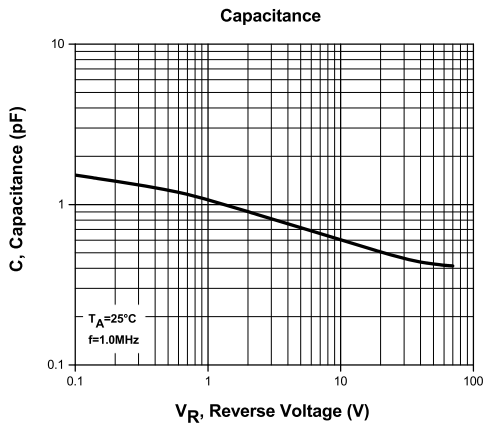
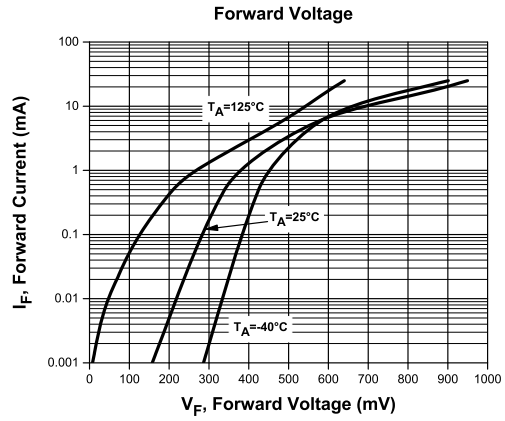
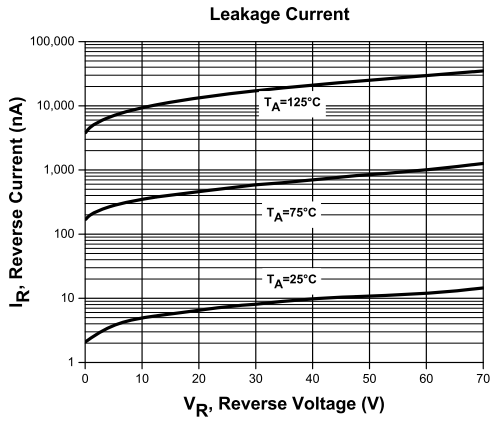
www.centalsemi.com

CMPD6263  
 CMPD6263A  
 CMPD6263C  
 CMPD6263S



SURFACE MOUNT SILICON  
 SCHOTTKY DIODES

TYPICAL ELECTRICAL CHARACTERISTICS



R7 (11-December 2015)

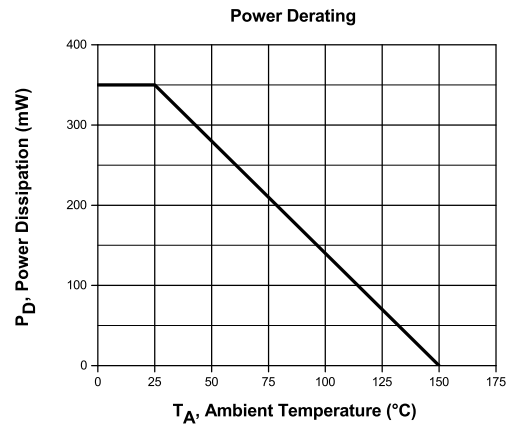
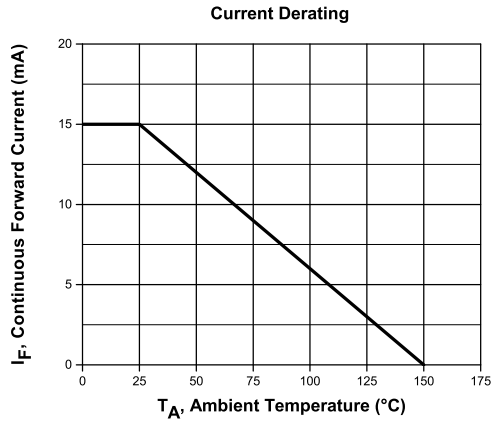
[www.centrasemi.com](http://www.centrasemi.com)

CMPD6263  
CMPD6263A  
CMPD6263C  
CMPD6263S

SURFACE MOUNT SILICON  
SCHOTTKY DIODES



### TYPICAL ELECTRICAL CHARACTERISTICS



R7 (11-December 2015)

[www.centrasemi.com](http://www.centrasemi.com)



## 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 (2<sup>nd</sup> 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

---

### REQUESTING PRODUCT PLATING

1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

---

### 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.centrasemi.com](http://www.centrasemi.com)

**Worldwide Field Representatives:**  
[www.centrasemi.com/wwreps](http://www.centrasemi.com/wwreps)

**Worldwide Distributors:**  
[www.centrasemi.com/wwdistributors](http://www.centrasemi.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.centrasemi.com/terms](http://www.centrasemi.com/terms)