

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)

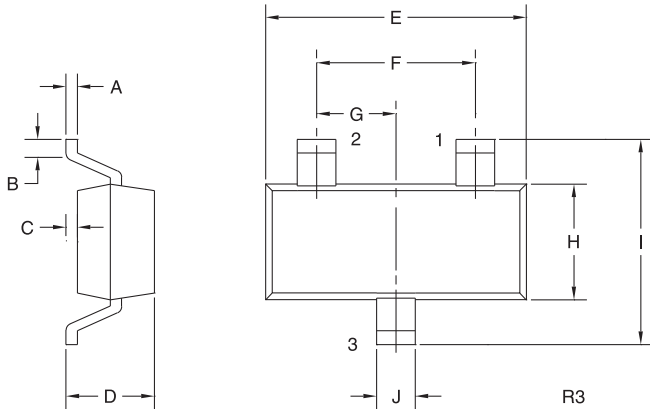
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
$I_R$	$V_R=50\text{V}$		10	200	nA
$BV_R$	$I_R=10\mu\text{A}$	70			V
$V_F$	$I_F=1.0\text{mA}$		395	410	mV
$C_J$	$V_R=0, f=1.0\text{MHz}$			2.0	pF

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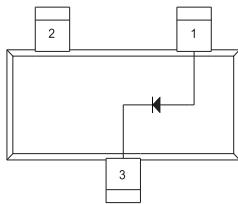
**SOT-23 CASE - MECHANICAL OUTLINE**



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**

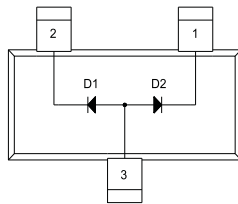


**CMPD6263**

**LEAD CODE:**

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

**MARKING CODE: D76**

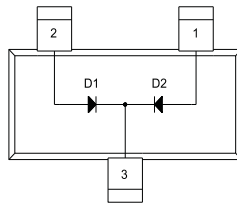


**CMPD6263A**

**LEAD CODE:**

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

**MARKING CODE: D98**

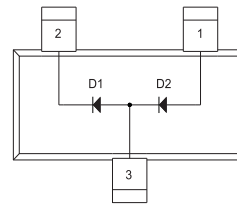


**CMPD6263C**

**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**

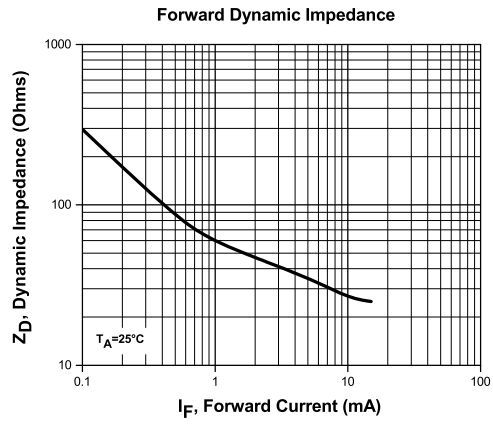
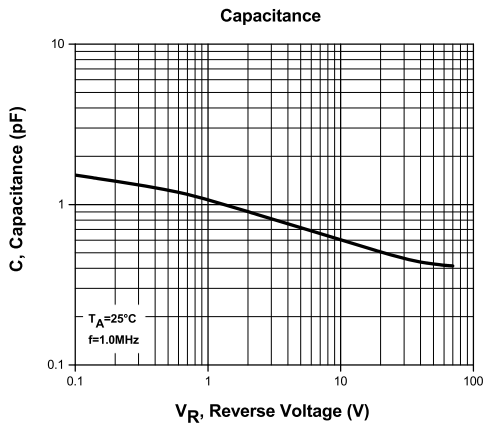
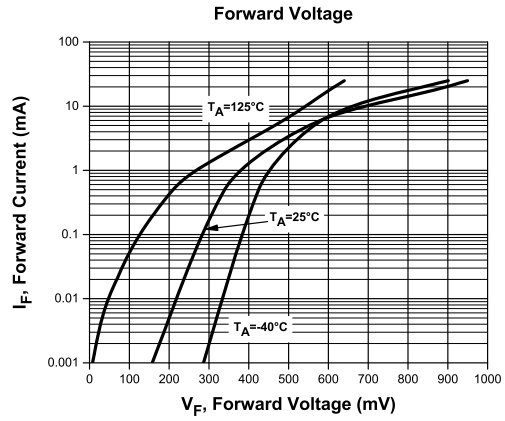
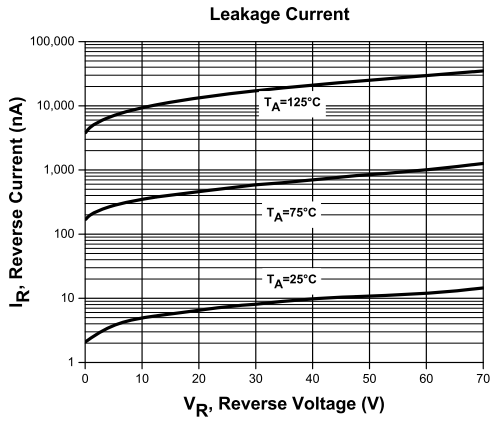
R7 (11-December 2015)

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TYPICAL ELECTRICAL CHARACTERISTICS



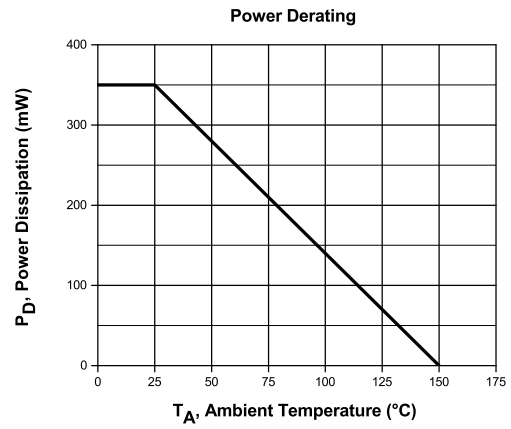
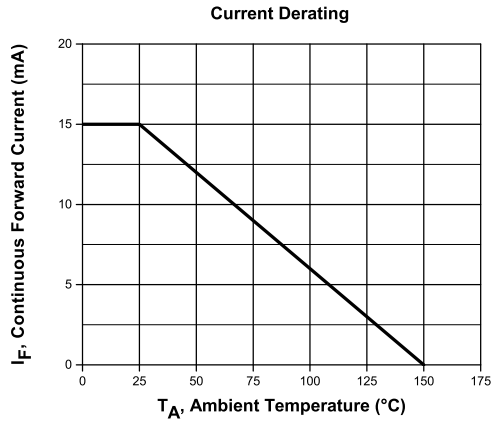
R7 (11-December 2015)

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### TYPICAL ELECTRICAL CHARACTERISTICS



R7 (11-December 2015)

## OUTSTANDING SUPPORT AND SUPERIOR SERVICES



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### 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

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### 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

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### 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).

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### CONTACT US

#### Corporate Headquarters & Customer Support Team

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