

CMOD6263

SURFACE MOUNT SILICON  
HIGH VOLTAGE  
SCHOTTKY DIODE



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

The CENTRAL SEMICONDUCTOR CMOD6263 is a high voltage silicon Schottky diode in an epoxy-molded package, designed for surface mount fast switching applications requiring a low forward voltage drop.



SOD-523 CASE

**MAXIMUM RATINGS: (T<sub>A</sub>=25°C)**

Peak Repetitive Reverse Voltage	V <sub>RRM</sub>	70	V
Continuous Forward Current	I <sub>F</sub>	15	mA
Peak Forward Surge Current, t <sub>p</sub> =1.0s	I <sub>FSM</sub>	50	mA
Power Dissipation	P <sub>D</sub>	250	mW
Operating and Storage Junction Temperature	T <sub>J</sub> , T <sub>stg</sub>	-65 to +150	°C
Thermal Resistance	θ <sub>JA</sub>	500	°C/W

**ELECTRICAL CHARACTERISTICS: (T<sub>A</sub>=25°C)**

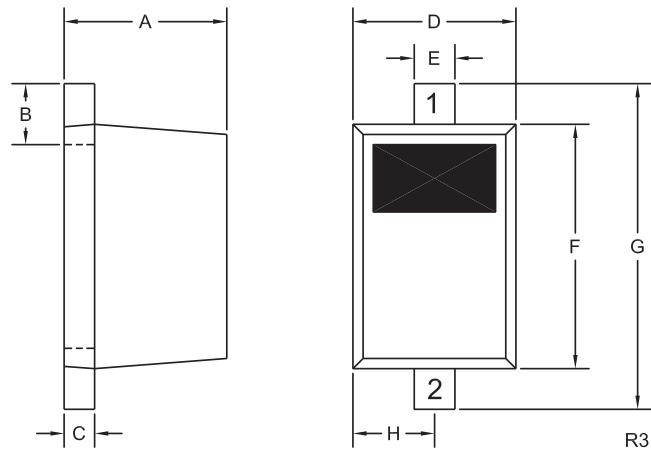
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I <sub>R</sub>	V <sub>R</sub> =50V		10	200	nA
BV <sub>R</sub>	I <sub>R</sub> =10μA	70			V
V <sub>F</sub>	I <sub>F</sub> =1.0mA		395	410	mV
C <sub>J</sub>	V <sub>R</sub> =0, f=1.0MHz			2.0	pF
t <sub>rr</sub>	I <sub>R</sub> =I <sub>F</sub> =10mA, I <sub>rr</sub> =1.0mA, R <sub>L</sub> =100Ω			5.0	ns

CMOD6263

SURFACE MOUNT SILICON  
HIGH VOLTAGE  
SCHOTTKY DIODE



SOD-523 CASE - MECHANICAL OUTLINE



**LEAD CODE:**

- 1) Cathode
- 2) Anode

**MARKING CODE: 63**

SYMBOL	DIMENSIONS			
	INCHES	MILLIMETERS	MIN	MAX
A	0.020	0.031	0.50	0.80
B	0.008	0.016	0.20	0.40
C	0.002	0.008	0.05	0.20
D	0.028	0.035	0.70	0.90
E	0.008	0.014	0.20	0.35
F	0.039	0.055	1.00	1.40
G	0.055	0.071	1.40	1.80
H	0.016		0.40	

SOD-523 (REV: R3)

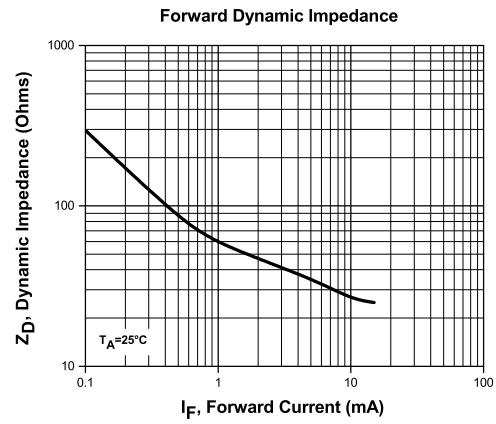
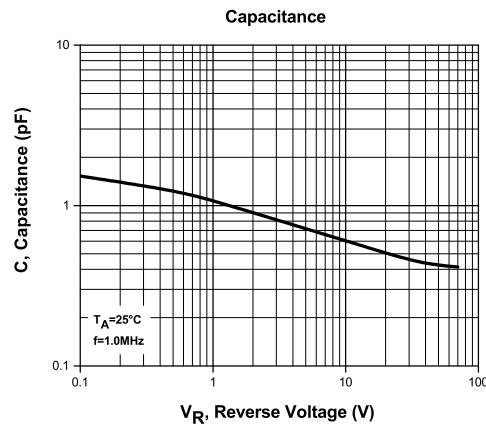
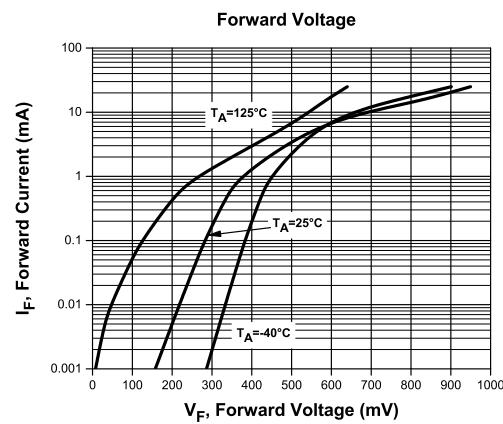
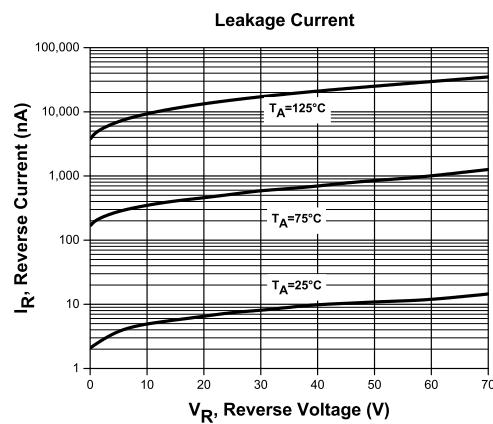
R5 (11-December 2015)

CMOD6263

SURFACE MOUNT SILICON  
HIGH VOLTAGE  
SCHOTTKY DIODE

**Central**  
Semiconductor Corp.™

**TYPICAL ELECTRICAL CHARACTERISTICS**



R5 (11-December 2015)

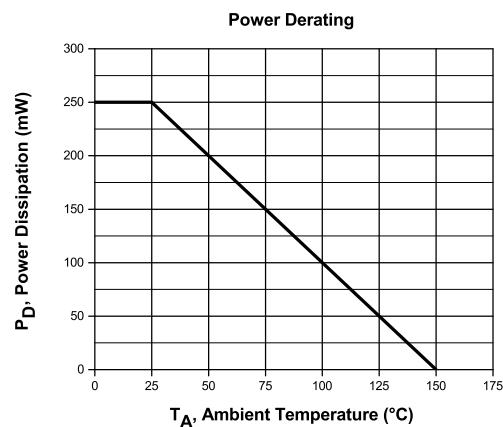
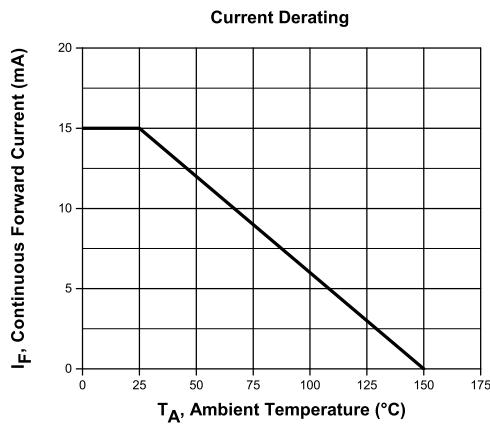
[www.centralsemi.com](http://www.centralsemi.com)

CMOD6263

SURFACE MOUNT SILICON  
HIGH VOLTAGE  
SCHOTTKY DIODE



TYPICAL ELECTRICAL CHARACTERISTICS



R5 (11-December 2015)

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

#### Worldwide Field Representatives:

[www.centralsemi.com/wwreps](http://www.centralsemi.com/wwreps)

#### Worldwide Distributors:

[www.centralsemi.com/wwdistributors](http://www.centralsemi.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.centralsemi.com/terms](http://www.centralsemi.com/terms)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Central Semiconductor:](#)

[CMOD6263 TR](#) [CMOD6263 BK](#)