

CM6D6263
CM6D6263A
CM6D6263C
CM6D6263S

**SURFACE MOUNT SILICON
SCHOTTKY DIODES**



SOT-323 CASE



www.centralemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CM6D6263 series devices are high voltage silicon Schottky diodes, epoxy molded in a SOT-323 surface mount package, designed for low current fast switching applications requiring a low forward voltage drop.

The following configurations are available:

CM6D6263: SINGLE
CM6D6263A: DUAL, COMMON ANODE
CM6D6263C: DUAL, COMMON CATHODE
CM6D6263S: DUAL, IN-SERIES

MARKING CODE: 76D
MARKING CODE: 98D
MARKING CODE: 97D
MARKING CODE: 96D

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 275
 T_J, T_{stg} -65 to +150
 θ_{JA} 455

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)

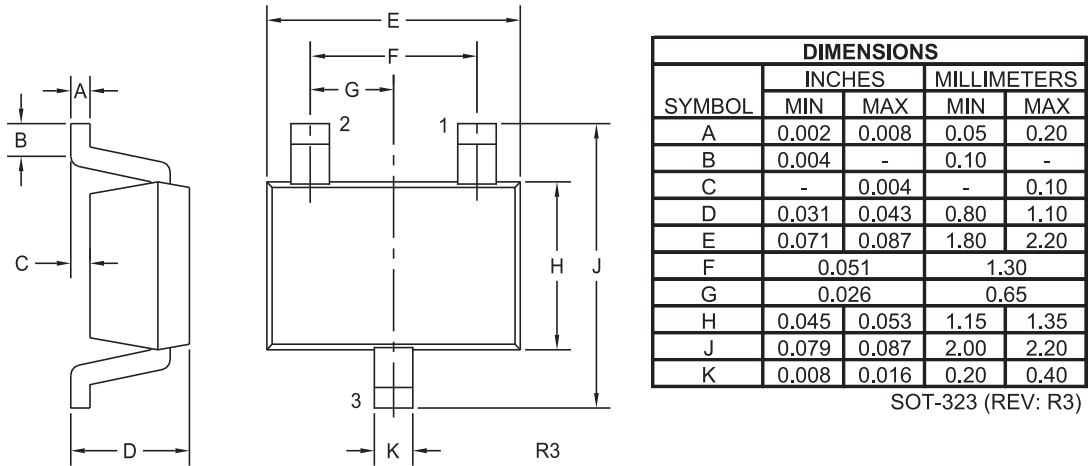
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I_R	$V_R=50\text{V}$		10	200	nA
BV_R	$I_R=10\mu\text{A}$	70			V
V_F	$I_F=1.0\text{mA}$		395	410	mV
C_J	$V_R=0, f=1.0\text{MHz}$			2.0	pF
t_{rr}	$I_R=I_F=10\text{mA}, I_{rr}=1.0\text{mA}, R_L=100\Omega$			5.0	ns

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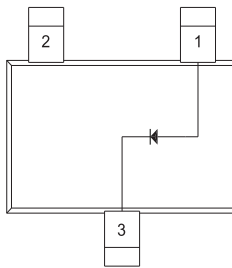
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SOT-323 CASE - MECHANICAL OUTLINE



PIN CONFIGURATIONS

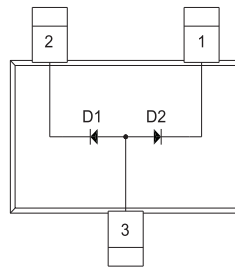


CMSD6263

LEAD CODE:

- 1) Anode
- 2) NC
- 3) Cathode

MARKING CODE: 76D

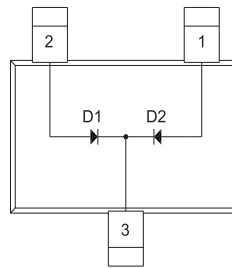


CMSD6263A

LEAD CODE:

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

MARKING CODE: 98D

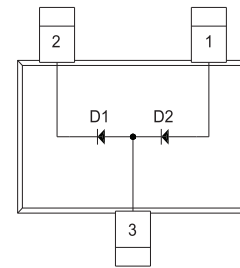


CMSD6263C

LEAD CODE:

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

MARKING CODE: 97D



CMSD6263S

LEAD CODE:

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

MARKING CODE: 96D

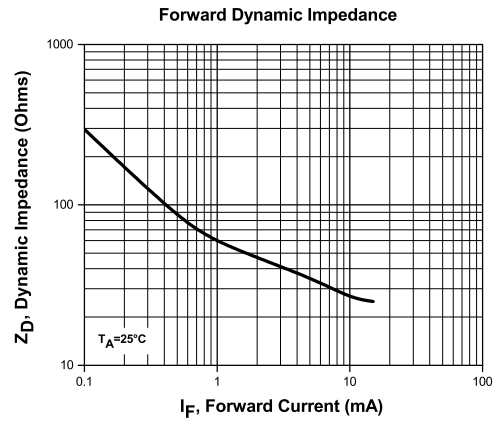
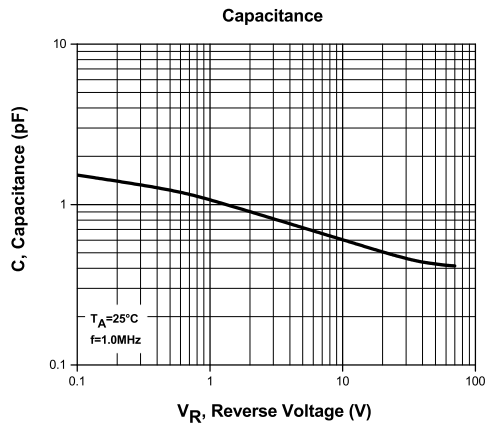
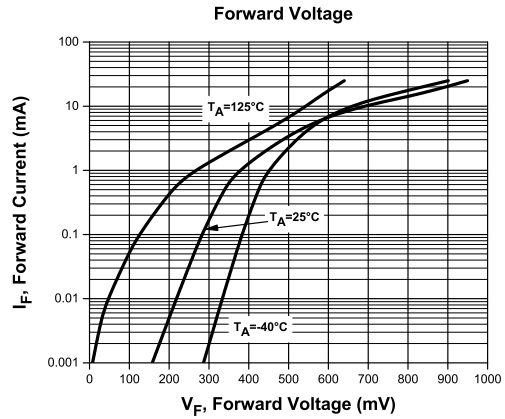
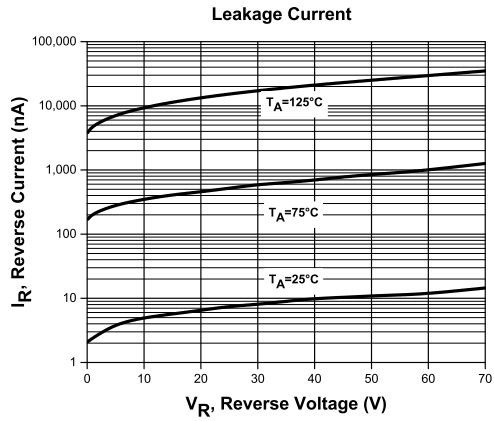
R4 (11-December 2015)

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TYPICAL ELECTRICAL CHARACTERISTICS



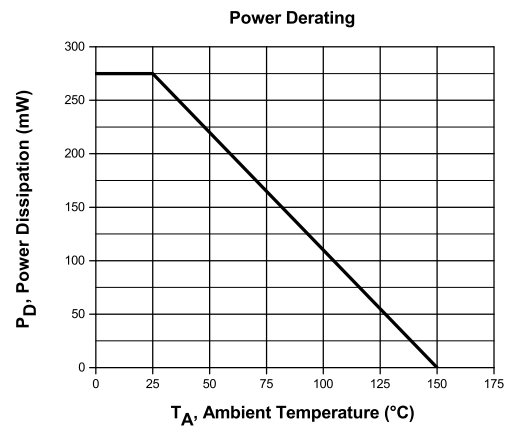
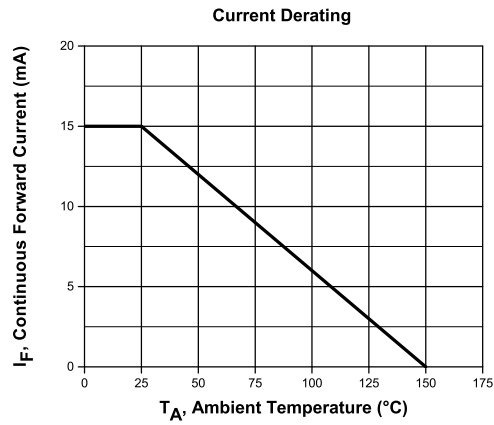
R4 (11-December 2015)

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TYPICAL ELECTRICAL CHARACTERISTICS



R4 (11-December 2015)

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 (2nd 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

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