CMDD6263

SUPERmini™
HIGH VOLTAGE
SCHOTTKY DIODE

SUPERmini™

SOD-323 CASE

Central™
Semiconductor Corp.

FEATURES:

- HIGH VOLTAGE (70V)
- LOW FORWARD VOLTAGE
- PART OF CENTRAL'S SPACE SAVING SUPERmini™ SURFACE MOUNT PACKAGE FAMILY

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMDD6263 is a High Voltage, low V_F, Silicon Schottky diode in a SUPERmini™ surface mount package, designed for fast switching applications requiring low forward voltage drop.

MARKING CODE: D63

MAXIMUM RATINGS: (T_A=25°C)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	70	V
Continuous Forward Current	I_F	15	mA
Forward Surge Current, tp=1.0 s	I_{FSM}	50	mA
Power Dissipation	P_D	250	mW
Operating and Storage Junction Temperature	T_J,T_{stg}	-65 to +150	°C
Thermal Resistance	Θ_{JA}	500	°C/W

ELECTRICAL CHARACTERISTICS: (T_A=25°C)

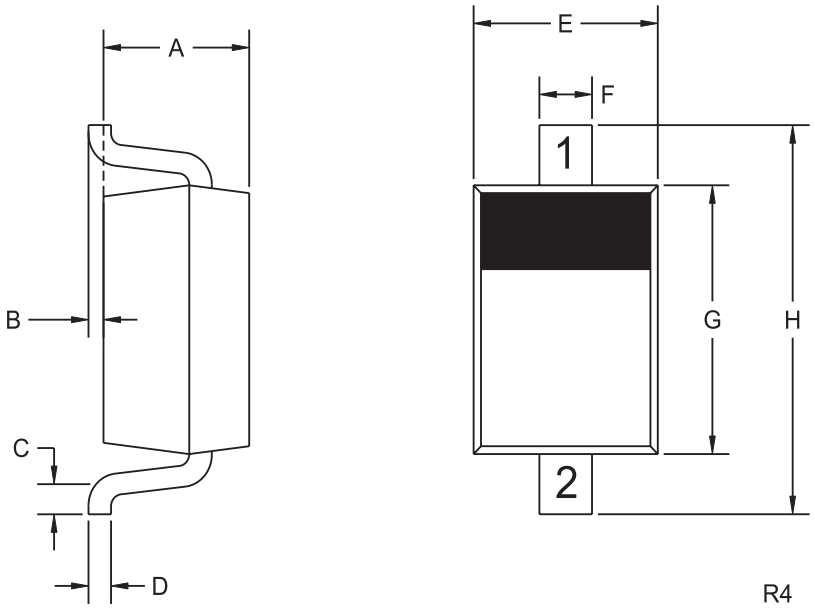
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I_R	V_R=50V		98	200	nA
BV_R	I_R=10μA	70			V
V_F	I_F=1.0mA		395	410	mV
C_T	V_R=0V, f=1.0MHz			2.0	pF
t_{rr}	I_R=I_F=10mA, I_{rr}=1.0mA, R_L=100Ω			5.0	ns

Central™
Semiconductor Corp.

CMDD6263

SUPERmini™
HIGH VOLTAGE
SCHOTTKY DIODE

SOD-323 CASE - MECHANICAL OUTLINE



R4

LEAD CODE:
1) CATHODE
2) ANODE

MARKING CODE: D63

DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
A	0.031	0.039	0.80	1.00
B	0.000	0.004	0.00	0.10
C	0.008	-	0.20	-
D	0.004	0.007	0.11	0.19
E	0.045	0.053	1.15	1.35
F	-	0.014	-	0.35
G	0.063	0.071	1.60	1.80
H	0.094	0.102	2.40	2.60

SOD-323 (REV: R4)

R2 (31-October 2002)