

CMSD6263
CMSD6263A
CMSD6263C
CMSD6263S

**SUPERmini™ SURFACE MOUNT
SCHOTTKY DIODES**

SUPERmini™



SOT-323 CASE

Central™

Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMSD6263 Series types are High Voltage Silicon Schottky diodes, epoxy molded in a SUPERmini™ surface mount package, designed for low current fast switching applications requiring a low forward voltage drop. The following configurations are available:

**MARKING
CODE**

CMSD6263	SINGLE	76D
CMSD6263A	DUAL, COMMON ANODE	98D
CMSD6263C	DUAL, COMMON CATHODE	97D
CMSD6263S	DUAL, IN SERIES	96D

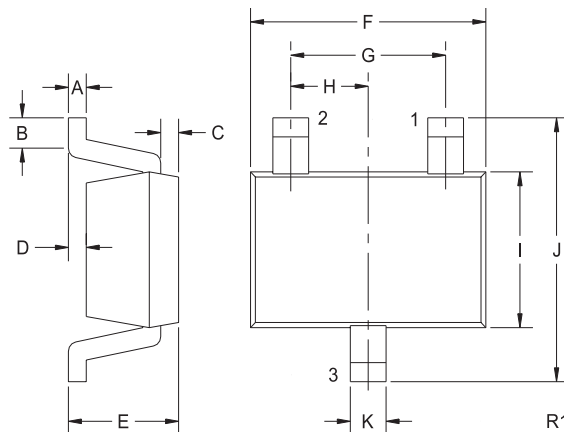
MAXIMUM RATINGS: (T_A=25°C)

	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	350	mW
Operating and Storage			
Junction Temperature	T _J , T _{stg}	-65 to +150	°C
Thermal Resistance	Θ _{JA}	357	°C/W

ELECTRICAL CHARACTERISTICS: (T_A=25°C)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
BV _R	I _R =10μA	70			V
V _F	I _F =1.0mA		395	410	mV
I _R	V _R =50V		98	200	nA
C _T	V _R =0V, f=1.0MHz			2.0	pF
t _{rr}	I _R =I _F =10mA, I _{rr} =1mA, R _L =100Ω			5.0	ns

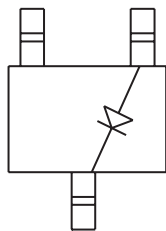
SOT-323 CASE - MECHANICAL OUTLINE



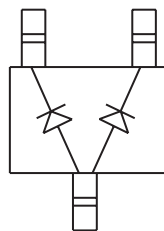
SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.004	0.008	0.10	0.20
B	0.004	-	0.10	-
C	0.004	0.008	0.10	0.20
D	-	0.004	-	0.10
E	0.031	0.043	0.80	1.10
F	0.071	0.087	1.80	2.20
G	0.051		1.30	
H	0.026		0.65	
I	0.045	0.053	1.15	1.35
J	0.079	0.087	2.00	2.20
K	0.008	0.016	0.20	0.40

SOT-323 (REV: R1)

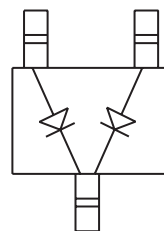
CONFIGURATIONS



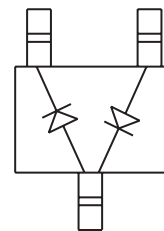
CMSD6263



CMSD6263A



CMSD6263C



CMSD6263S