



CMLD6263A
CMLD6263C
CMLD6263S

**SURFACE MOUNT PICOmini™
DUAL PAIR, HIGH VOLTAGE
SILICON SCHOTTKY DIODES**

PICOmini™



SOT-563 CASE

Central™ Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMLD6263 Series incorporates two pair, high voltage, low V_F Silicon Diodes in a space saving SOT-563 surface mount package. These diodes are designed for fast switching applications requiring a low forward voltage drop.

MARKING CODES:

**CMLD6263A: 63A
CMLD6263C: 63C
CMLD6263S: 63S**

FEATURES:

- High Voltage (70V)
- Low Forward Voltage
- Various Dual Pair Configurations

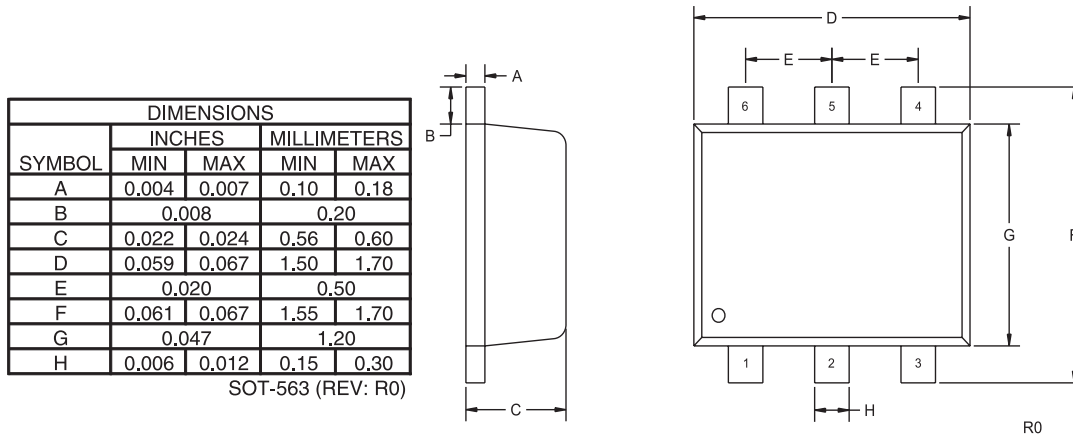
MAXIMUM RATINGS: ($T_A=25^\circ\text{C}$)

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

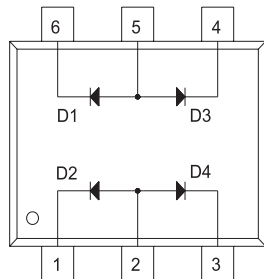
ELECTRICAL CHARACTERISTICS PER DIODE: ($T_A=25^\circ\text{C}$)

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

SOT-563 CASE - MECHANICAL OUTLINE



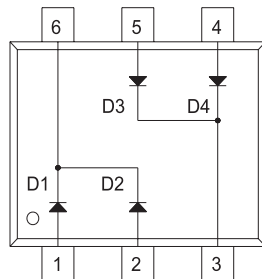
PIN CONFIGURATIONS - DUAL PAIR



CMLD6263A
COMMON ANODE
MARKING CODE: 63A

LEAD CODE:

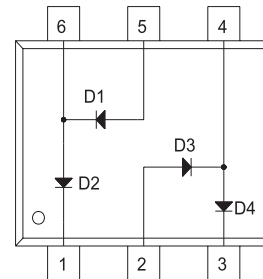
- 1) Cathode D2
- 2) Anode D2, D4
- 3) Cathode D4
- 4) Cathode D3
- 5) Anode D1, D3
- 6) Cathode D1



CMLD6263C
COMMON CATHODE
MARKING CODE: 63C

LEAD CODE:

- 1) Anode D1
- 2) Anode D2
- 3) Cathode D3, D4
- 4) Anode D4
- 5) Anode D3
- 6) Cathode D1, D2



CMLD6263S
IN SERIES
MARKING CODE: 63S

LEAD CODE:

- 1) Cathode D2
- 2) Anode D3
- 3) Cathode D4
- 4) Cathode D3, Anode D4
- 5) Anode D1
- 6) Cathode D1, Anode D2