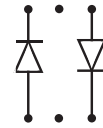


CMRD6263DO

70V, 15mA Dual, Isolated Opposing Schottky Diode in the SOT-963

SOT-963



The Central Semiconductor CMRD6263DO consists of two isolated 70V, 15mA Schottky diodes with opposing polarity. This new energy efficient device provides versatile multi-configurable options and is packaged in a space saving ultra miniature surface mount SOT-963 case.

Features:

- Dual, isolated, 70V, 15mA Schottky diodes
- Low forward voltage drop ($V_F=0.395V$ typical @ 1.0mA)
- Low reverse current (98nA typical @ 50V)
- Fast switching (5.0ns Max)

Applications:

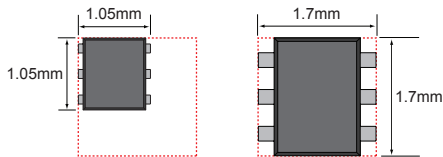
- DC-DC conversion
- Voltage clamping
- Reverse polarity protection
- Over voltage protection
- Battery charging
- Flyback diode configuration

Benefits:

- High total energy efficiency (low reverse and forward losses)
- Versatile multi-configurable device (see configuration options on reverse)
- Small space saving, low profile SOT-963 surface mount package

Package Highlights:

The SOT-963 utilizes **61%** less board space than SOT-563

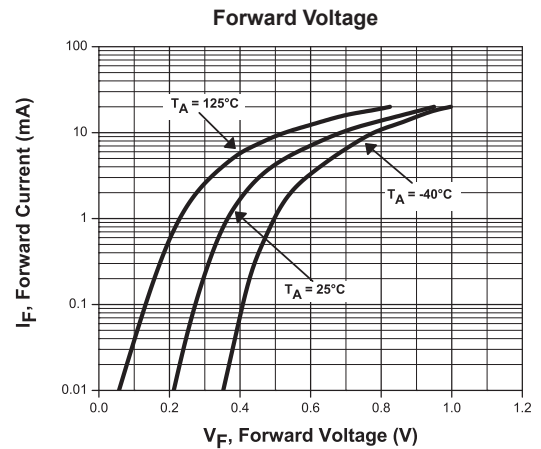


The SOT-963 has **16%** lower profile than SOT-563



$T_A=25^\circ C$

Typical Electrical Characteristics



Samples and Literature



To order samples of this device visit:
www.centrasemi.com/info/CMRD6263DO



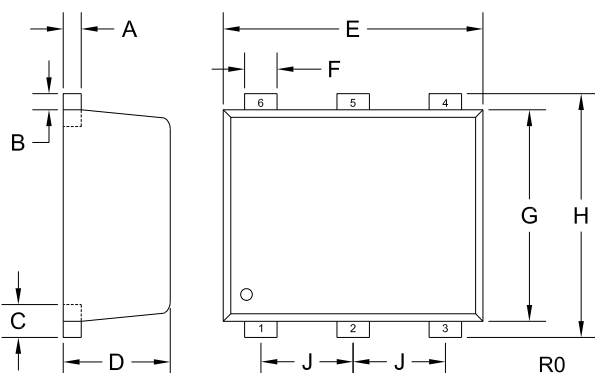
Order your selection guides today.
 Visit: www.centrasemi.com/product/literature

Electrical Characteristics Per Diode									Thermal Characteristics			
V_{RRM}	I_F	V_F		@ I_F	I_R		@ V_R	t_{rr}	C_T	P_D	T_J, T_{stg}	θ_{JA}
(V) MAX	(mA) MAX	(V) TYP	(V) MAX	(mA)	(nA) TYP	(nA) MAX	(V)	(ns) MAX	(pF) MAX	(mW)	($^\circ C$) MAX	($^\circ C/W$) MAX
70	15	0.395	0.41	1.0	98	200	50	5.0	2.0	125	-65 to +150	1000

CMRD6263DO

70V, 15mA Dual, Isolated Opposing Schottky Diode in the SOT-963

Mechanical Drawing



SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.002	0.006	0.050	0.150
B	0.002	0.006	0.050	0.150
C	0.005	0.007	0.125	0.175
D	0.016	0.020	0.400	0.500
E	0.037	0.041	0.950	1.050
F	0.004	0.008	0.100	0.200
G	0.030	0.033	0.750	0.850
H	0.037	0.041	0.950	1.050
J	0.014		0.350	

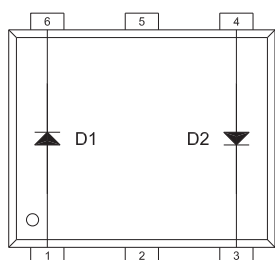
SOT-963 (REV: R0)

LEAD CODE:

- 1) ANODE D1
- 2) NC
- 3) CATHODE D2
- 4) ANODE D2
- 5) NC
- 6) CATHODE D1

MARKING CODE: CX

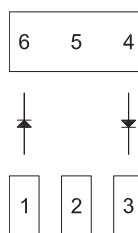
Pin Configuration



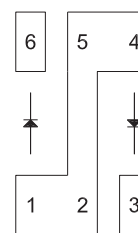
Suggested Mounting Pad Configurations

Note:
Two devices easily configurable as a bridge rectifier.

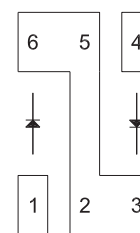
IN-SERIES



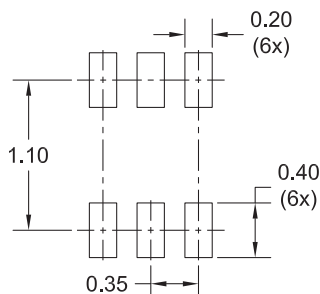
COMMON ANODE



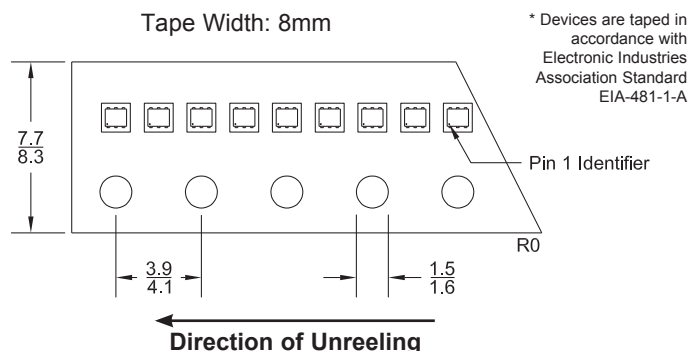
COMMON CATHODE



Mounting Pad Geometry (Dimensions in mm)



Tape Dimensions and Orientation (Dimensions in mm)



Packaging Base

7" Reel = 8,000 pcs. (add TR suffix to part number)

Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
7"	3	24,000	8x7x2	20x18x5	1	1
	9	72,000	9x9x5	23x23x13	3	2
	18	144,000	9x9x9	23x23x23	6	3
	40	320,000	21x9x9	53x23x23	13	6
	108	864,000	27x9x17	69x23x43	34	16

Sample devices available upon request. To order samples of this device visit: www.centrasemi.com/info/CMRD6263DO



For further information contact:
Sales at Central Semiconductor Corp.
(631) 435-1110 or visit our website at:
www.centrasemi.com