SURFACE MOUNT SILICON **SCHOTTKY DIODES**



www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMPD6263 series devices are silicon Schottky diodes designed for low current surface mount fast switching applications requiring a low forward voltage drop.



The following configurations are available:

CMPD6263 SINGLE

CMPD6263A DUAL, COMMON ANODE CMPD6263C DUAL, COMMON CATHODE MARKING CODE: D97

CMPD6263S DUAL, IN SERIES

MARKING CODE: D76 **MARKING CODE: D98 MARKING CODE: D96**

MAXIMUM RATINGS: (T _A =25°C)	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	70	V
Continuous Forward Current	I _F	15	mA
Peak Forward Surge Current, tp=1.0s	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	ΘΙΔ	357	°C/W

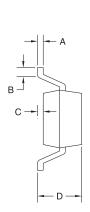
ELECTRICAL CHARACTERISTICS PER DIODE: (TA=25°C unless otherwise noted)

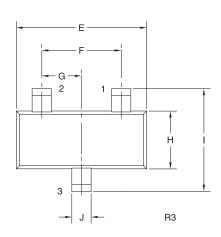
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I_{R}	V _R =50V		10	200	nA
BV_R	I _R =10μA	70			V
V_{F}	I _F =1.0mA		395	410	mV
$C_{,l}$	V _R =0, f=1.0MHz			2.0	pF

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SOT-23 CASE - MECHANICAL OUTLINE

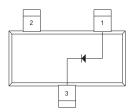


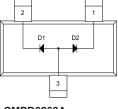


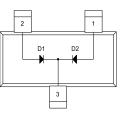
DIMENSIONS							
	INCHES		MILLIMETERS				
SYMBOL	MIN	MAX	MIN	MAX			
Α	0.003	0.007	0.08	0.18			
В	0.006	-	0.15	-			
С	-	0.005	-	0.13			
D	0.035	0.043	0.89	1.09			
Е	0.110	0.120	2.80	3.05			
F	0.075		1.90				
G	0.037		0.95				
Н	0.047	0.055	1.19	1.40			
	0.083	0.098	2.10	2.49			
J	0.014	0.020	0.35	0.50			

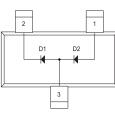
SOT-23 (REV: R3)

PIN CONFIGURATIONS









CMPD6263

LEAD CODE:

- 1) Anode
- 2) No Connection
- 3) Cathode

MARKING CODE: D76

CMPD6263A

LEAD CODE:

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

MARKING CODE: D98

CMPD6263C

LEAD CODE:

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

CMPD6263S

LEAD CODE:

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

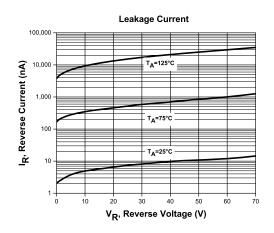
MARKING CODE: D97

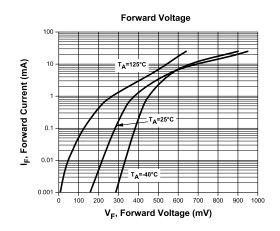
MARKING CODE: D96

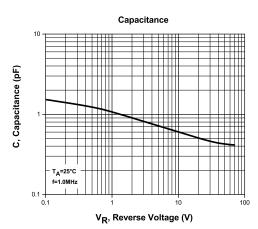
SURFACE MOUNT SILICON SCHOTTKY DIODES

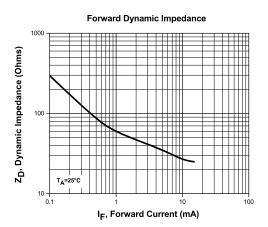


TYPICAL ELECTRICAL CHARACTERISTICS





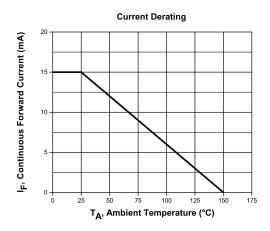


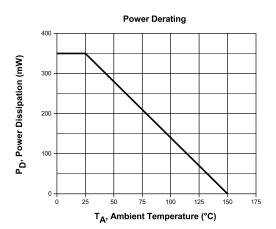






TYPICAL ELECTRICAL CHARACTERISTICS





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 guick 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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