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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	MARKING CODE: D76	
CMPD6263A	DUAL, COMMON ANODE	MARKING CODE: D98	
CMPD6263C	DUAL, COMMON CATHODE	MARKING CODE: D97	
CMPD6263S	DUAL, IN SERIES	MARKING CODE: D96	

MAXIMUM RATINGS: (T _A =25°C)	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	70	V
Continuous Forward Current	١ _F	15	mA
Peak Forward Surge Current, tp=1.0s	IFSM	50	mA
Power Dissipation	PD	350	mW
Operating and Storage Junction Temperature	T _J , T _{stg}	-65 to +150	°C
Thermal Resistance	Θ_{JA}	357	°C/W

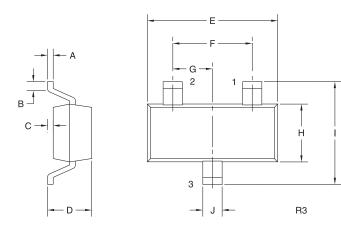
ELECTRICAL CHARACTERISTICS PER DIODE: (T _A =25°C unless otherwise noted)					
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I _R	V _R =50V		10	200	nA
BVR	Ι _R =10μΑ	70			V
VF	I _F =1.0mA		395	410	mV
CJ	V _R =0, f=1.0MHz			2.0	pF





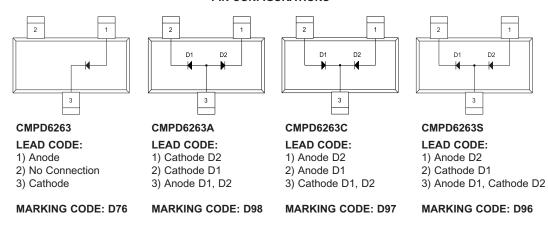
SURFACE MOUNT SILICON SCHOTTKY DIODES

SOT-23 CASE - MECHANICAL OUTLINE



	DIM	ENSION	S	
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
А	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

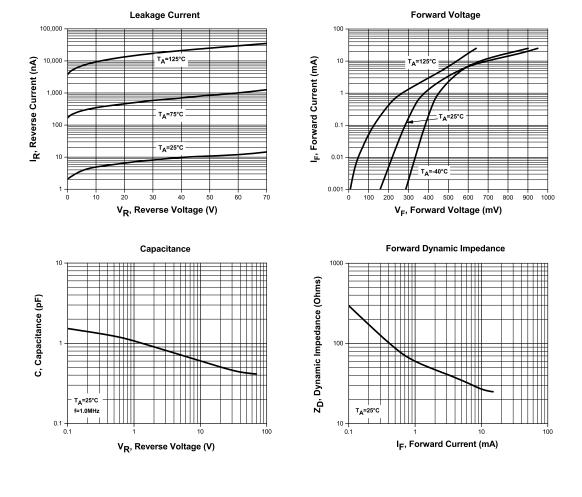


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CMPD6263 CMPD6263A CMPD6263C CMPD6263S

SURFACE MOUNT SILICON SCHOTTKY DIODES



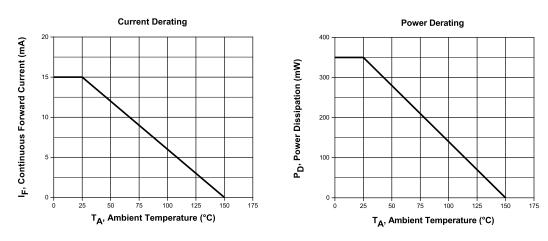
TYPICAL ELECTRICAL CHARACTERISTICS

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TYPICAL ELECTRICAL CHARACTERISTICS

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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

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick 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

ss your design challenges.

· Custom product packing

- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- · Application and design sample kits

Custom bar coding for shipments

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).
- If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp. 145 Adams Avenue Hauppauge, NY 11788 USA Main Tel: (631) 435-1110 Main Fax: (631) 435-1824 Support Team Fax: (631) 435-3388 www.centralsemi.com

Worldwide Field Representatives: www.centralsemi.com/wwreps

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