SURFACE MOUNT SILICON HIGH CURRENT SCHOTTKY DIODE



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DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMDSH2-3 is a silicon Schottky diode, manufactured in a SOD-323 surface mount package, designed for applications requiring a low forward voltage drop.

MARKING CODE: S2



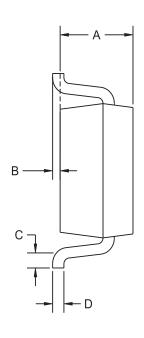
SOD-323 CASE

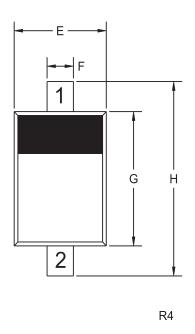
Peak Repetiti Continuous F Peak Forward Power Dissip		SYMBOL VRRM IF IFSM PD	30 20 1. 25	00 0 50	UNITS V mA A mW
Operating and Thermal Resi	d Storage Junction Temperature stance	T _J , T _{stg} ΘJΑ	-65 to 50		°C/W
ELECTRICAL SYMBOL	L CHARACTERISTICS: (T _A =25°C) TEST CONDITIONS V _R =30V	MIN	TYP 19	MAX 50	UNITS μΑ
BVR	I _R =100μA	30			V
V_{F}	I _F =2.0mA		0.186		V
V _F	I _F =15mA		0.245		V
VF	I _F =100mA		0.35		V
V_{F}	I _F =200mA		0.42	0.55	V
C_{J}	V_R =10V, f=1.0MHz		6.0		pF

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SOD-323 CASE - MECHANICAL OUTLINE





LEAD CODE:

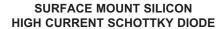
- 1) Cathode
- 2) Anode

MARKING CODE: S2

DIMENSIONS								
	INCHES		MILLIMETERS					
SYMBOL	MIN	MAX	MIN	MAX				
Α	0.031	0.039	0.80	1.00				
В	0.000	0.004	0.00	0.10				
С	0.008	-	0.20	-				
D	0.004	0.007	0.11	0.19				
Е	0.045	0.053	1.15	1.35				
F	-	0.014	-	0.35				
G	0.063	0.071	1.60	1.80				
Н	0.094	0.102	2.40	2.60				
00D 000 (DEV D4)								

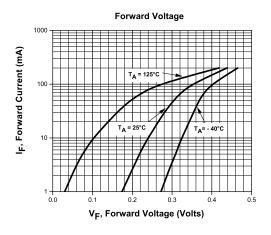
SOD-323 (REV: R4)

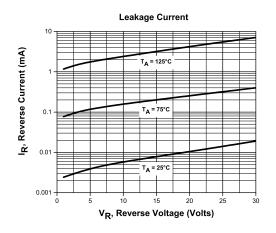
R4 (13-November 2015)

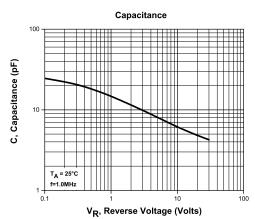


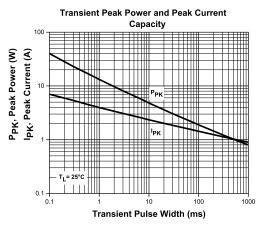


TYPICAL ELECTRICAL CHARACTERISTICS





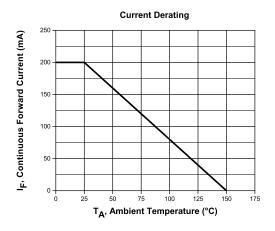


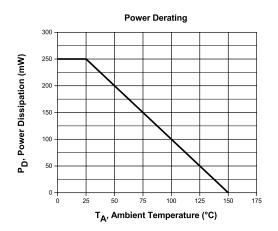






TYPICAL ELECTRICAL CHARACTERISTICS





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 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

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

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