

CMSSH-3
 CMSSH-3A
 CMSSH-3C
 CMSSH-3S

**SURFACE MOUNT
 SILICON SCHOTTKY DIODES**

SUPERmini™



SOT-323 CASE



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMSSH-3 Series types are Silicon Schottky Diodes, epoxy molded in a SUPERmini™ surface mount package, designed for fast switching applications requiring a low forward voltage drop.

CMSSH-3: SINGLE
CMSSH-3A: DUAL, COMMON ANODE
CMSSH-3C: DUAL, COMMON CATHODE
CMSSH-3S: DUAL, IN SERIES

MARKING CODE: 95D
MARKING CODE: B1D
MARKING CODE: B2D
MARKING CODE: A5D

MAXIMUM RATINGS: (T_A=25°C)

Peak Repetitive Reverse Voltage
 Continuous Forward Current
 Peak Repetitive Forward Current
 Peak Forward Surge Current, tp=10ms
 Power Dissipation
 Operating and Storage Junction Temperature
 Thermal Resistance

SYMBOL

V_{RRM} 30
 I_F 100
 I_{FRM} 200
 I_{FSM} 750
 P_D 275
 T_J, T_{stg} -65 to +150
 Θ_{JA} 455

UNITS

V
 mA
 mA
 mA
 mW
 °C
 °C/W

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

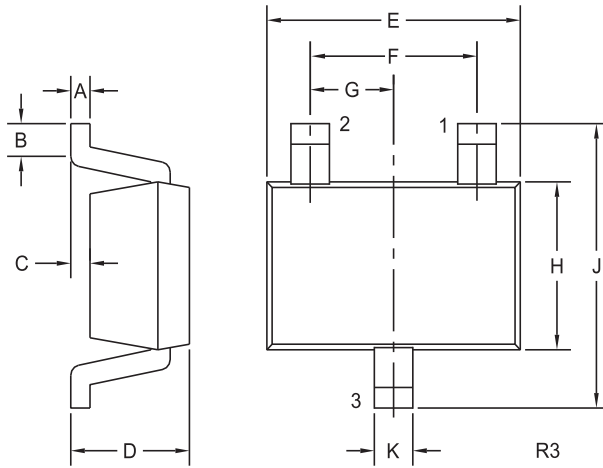
SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I _R	V _R =25V		90	500	nA
I _R	V _R =25V, T _A =100°C		25	100	μA
BV _R	I _R =100μA	30			V
V _F	I _F =2.0mA		0.29	0.33	V
V _F	I _F =15mA		0.40	0.45	V
V _F	I _F =100mA		0.74	1.00	V
C _T	V _R =1.0V, f=1.0MHz		7.0		pF
t _{rr}	I _F =I _R =10mA, I _{rr} =1.0mA, R _L =100Ω			5.0	ns

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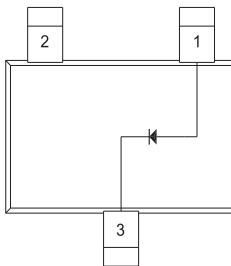
SOT-323 CASE - MECHANICAL OUTLINE



SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.002	0.008	0.05	0.20
B	0.004	-	0.10	-
C	-	0.004	-	0.10
D	0.031	0.043	0.80	1.10
E	0.071	0.087	1.80	2.20
F	0.051		1.30	
G	0.026		0.65	
H	0.045	0.053	1.15	1.35
J	0.079	0.087	2.00	2.20
K	0.008	0.016	0.20	0.40

SOT-323 (REV: R3)

PIN CONFIGURATIONS

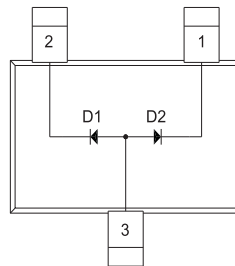


CMSSH-3

LEAD CODE:

- 1) Anode
- 2) NC
- 3) Cathode

MARKING CODE: 95D

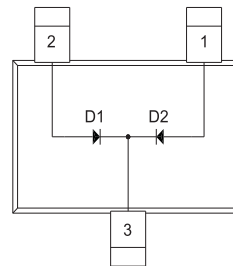


CMSSH-3A

LEAD CODE:

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

MARKING CODE: B1D

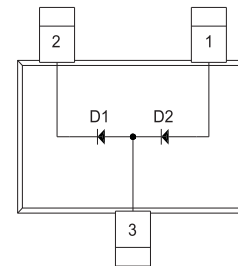


CMSSH-3C

LEAD CODE:

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

MARKING CODE: B2D



CMSSH-3S

LEAD CODE:

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

MARKING CODE: A5D

R3 (9-February 2010)

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