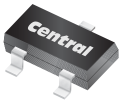
CMSSH-3
CMSSH-3A
CMSSH-3C
CMSSH-3S

SURFACE MOUNT SILICON SCHOTTKY DIODES

SUPERmini™



SOT-323 CASE

Central™ Semiconductor Corp.
www.centralsemi.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	**MARKING CODE: 95D**
CMSSH-3A:	DUAL, COMMON ANODE	**MARKING CODE: B1D**
CMSSH-3C:	DUAL, COMMON CATHODE	**MARKING CODE: B2D**
CMSSH-3S:	DUAL, IN SERIES	**MARKING CODE: A5D**

MAXIMUM RATINGS: (T_A=25°C)	**SYMBOL**		**UNITS**
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Continuous Forward Current	I_F	100	mA
Peak Repetitive Forward Current	I_{FRM}	200	mA
Peak Forward Surge Current, tp=10ms	I_{FSM}	750	mA
Power Dissipation	P_D	275	mW
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 to +150	°C
Thermal Resistance	Θ_{JA}	455	°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

R3 (9-February 2010)

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SURFACE MOUNT
SILICON SCHOTTKY DIODES

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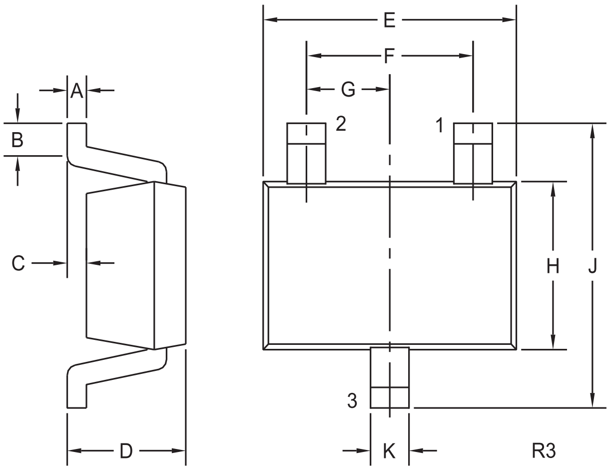
Semiconductor Corp.

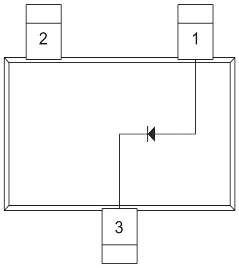
SOT-323 CASE - MECHANICAL OUTLINE



DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	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)

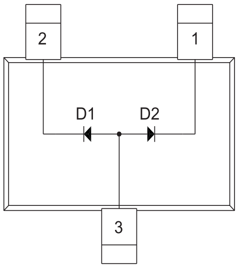
PIN CONFIGURATIONS



CMSSH-3

LEAD CODE:
1) Anode
2) NC
3) Cathode

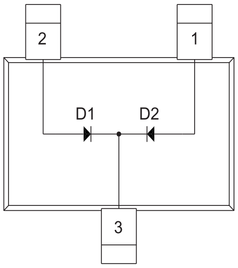
MARKING CODE: 95D



CMSSH-3A

LEAD CODE:
1) Cathode D2
2) Cathode D1
3) Anode D1, D2

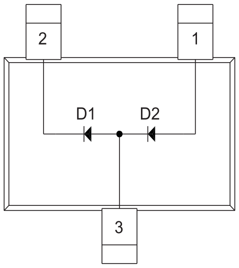
MARKING CODE: B1D



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

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