

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

SUPER-MINI
SCHOTTKY DIODES




SOT-323 CASE

CentralTM

Semiconductor Corp.

DESCRIPTION

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

The following configurations are available:

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

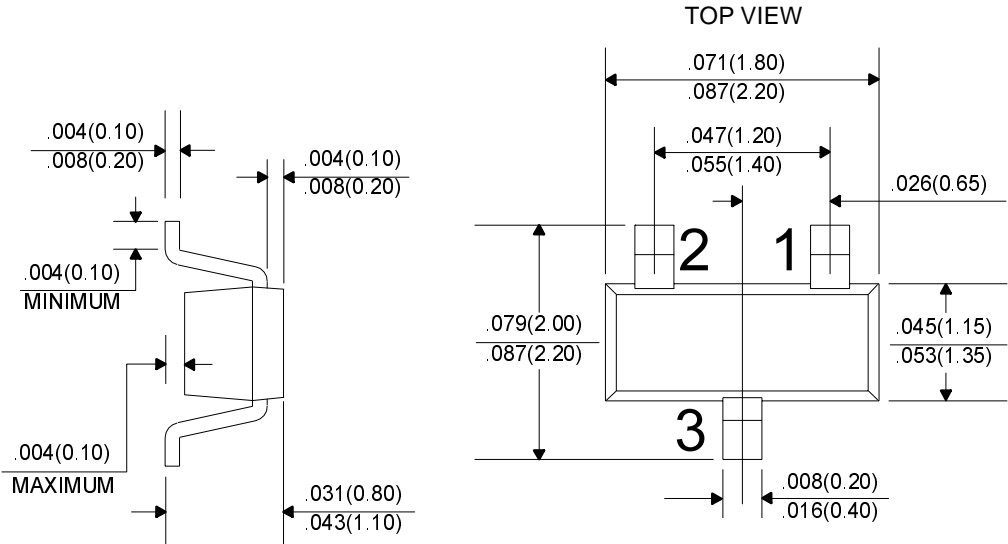
MAXIMUM RATINGS (T_A=25°C)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	30	V
Continuous Forward Current	I _F	100	mA
Peak Repetitive Forward Current	I _{FRM}	350	mA
Forward Surge Current, tp=10ms	I _{FSM}	750	mA
Power Dissipation	P _D	250	mW
Operating and Storage			
Junction Temperature	T _J , T _{stg}	-65 to +150	°C
Thermal Resistance	θ _{JA}	500	°C/W

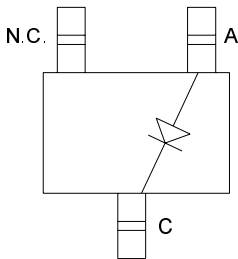
ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
B _V 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
I _R	V _R =25V		90	500	nA
I _R	V _R =25V, T _A =100°C		25	100	μA
C _T	V _R =1.0V, f=1 MHz		7.0		pF
t _{rr}	I _F =I _R =10mA, I _{rr} =1.0mA, R _L =100Ω			5.0	ns

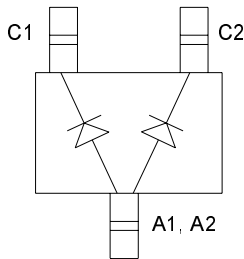
All Dimensions in Inches (mm).



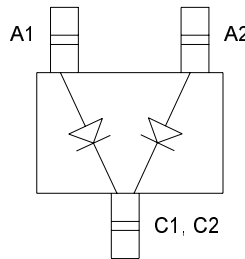
Lead Code



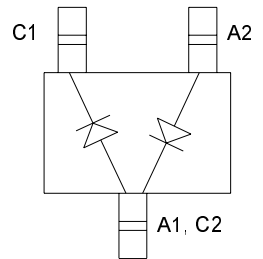
CMSSH-3



CMSSH-3A



CMSSH-3C



CMSSH-3S