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

SUPER-MINI
SCHOTTKY DIODES

Central™
Semiconductor Corp.

SUPER mini™

SOT-323 CASE

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	**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**

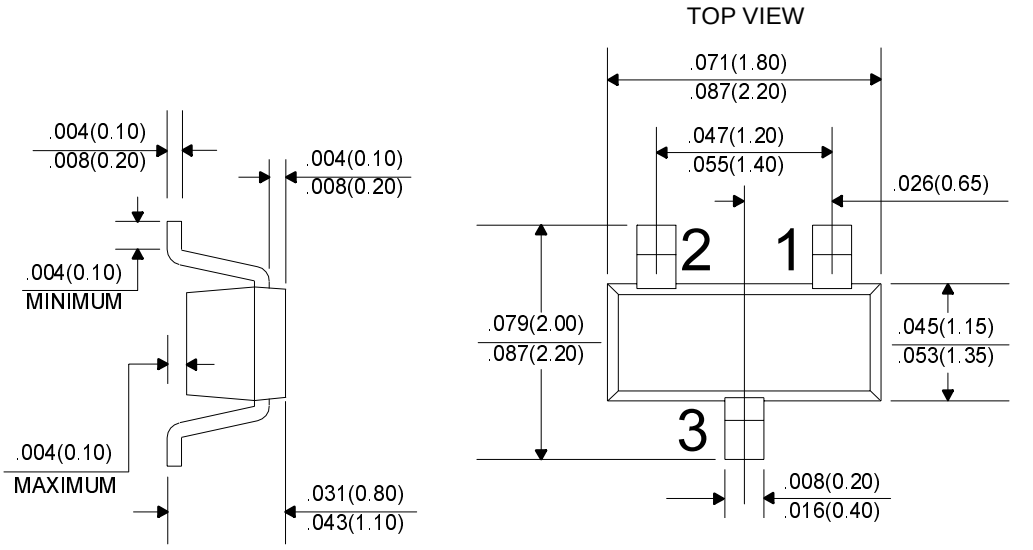
MAXIMUM RATINGS (T_A=25°C)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Continuous Forward Current	I_F	100	mA
Peak Repetitive Forward Current	I_{FRM}	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

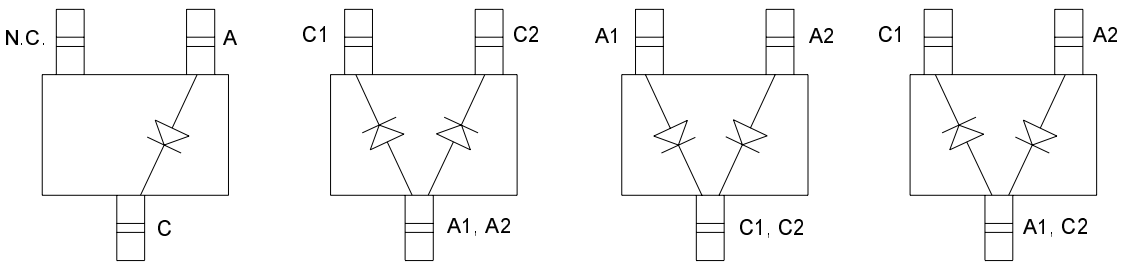
ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
B_{VR}	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



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