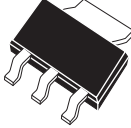


CZSH5-40

**SURFACE MOUNT
SILICON
SCHOTTKY BARRIER RECTIFIER
5.0 AMP, 40 VOLTS**



SOT-223 CASE

CentralTM
Semiconductor Corp.

DESCRIPTION:
The CENTRAL SEMICONDUCTOR 5.0 Amp, SOT-223 surface mount Silicon Schottky Rectifier, is designed for use in all types of commercial, industrial, entertainment, computer and automotive applications, which require a high current device.

MARKING CODE: FULL PART NUMBER

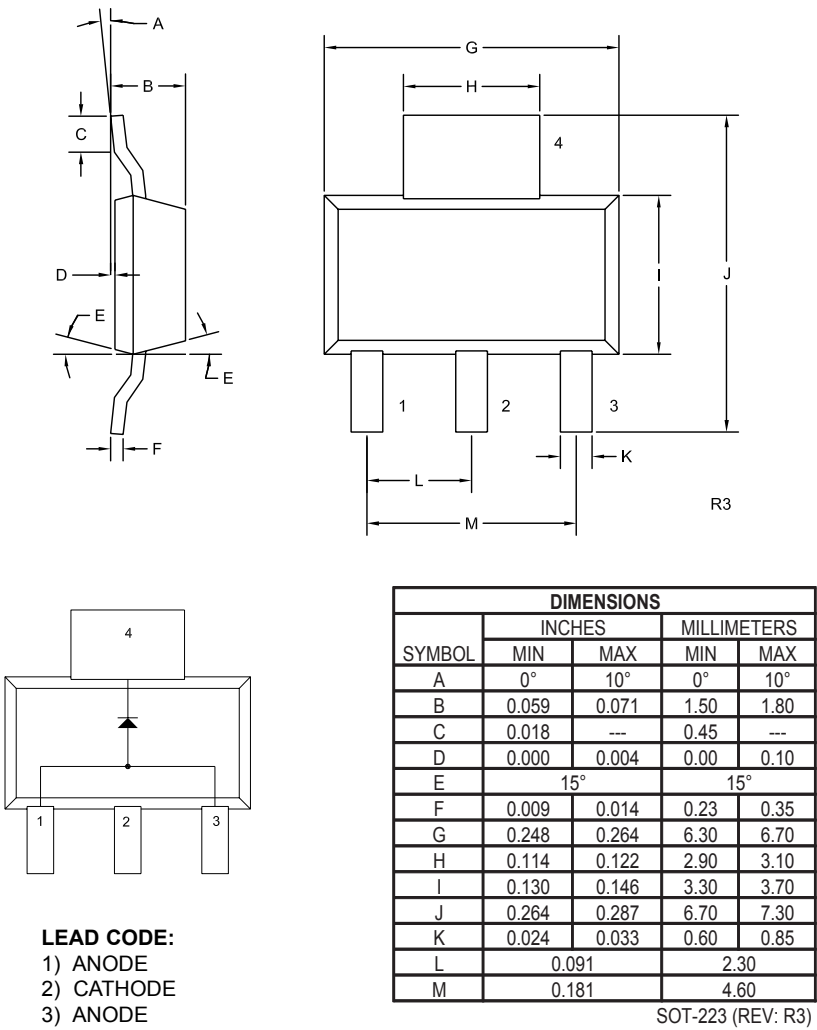
MAXIMUM RATINGS: (T_A=25°C unless otherwise noted)

	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	40	V
DC Blocking Voltage	V _R	40	V
RMS Reverse Voltage	V _{R(RMS)}	28	V
Average Forward Current (T _A =75°C)	I _O	5.0	A
Peak Forward Surge Current (8.3ms)	I _{FSM}	125	A
Operating and Storage			
Junction Temperature	T _J , T _{stg}	-65 to +150	°C

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I _R	V _R =40V			3.0	mA
I _R	V _R =40V, T _A =100°C			20	mA
V _F	I _F =5.0A			0.55	V

SOT-223 CASE - MECHANICAL OUTLINE



LEAD CODE:
1) ANODE
2) CATHODE
3) ANODE
4) CATHODE

Pin 1 and Pin 3 are common.
Pin 2 and Pin 4 are common.

MARKING CODE:
FULL PART NUMBER