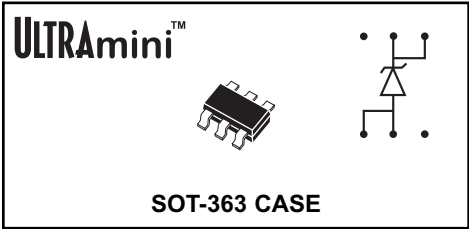


CMKTC825A
SURFACE MOUNT
ULTRAmi™
TEMPERATURE COMPENSATED
SILICON ZENER DIODE



Central™
Semiconductor Corp.

DESCRIPTION:
The CENTRAL SEMICONDUCTOR CMKTC825A type is a 6.2 volt temperature compensated Zener reference diode. This device is ideal for applications requiring long term voltage stability over the specified temperature range.

MARKING CODE: CT25

MAXIMUM RATINGS: ($T_A=25^{\circ}\text{C}$)

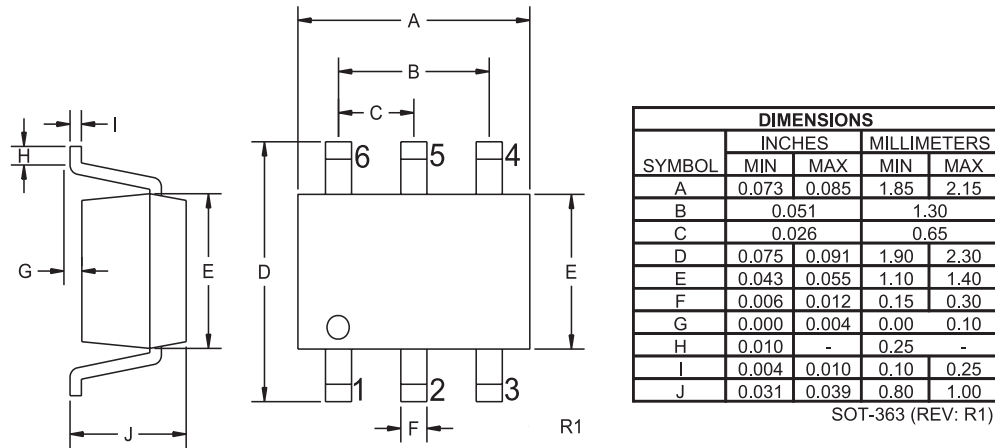
	SYMBOL		UNITS
Power Dissipation Operating and Storage	P_D	325	mW
Junction Temperature	T_J, T_{stg}	-65 to +150	$^{\circ}\text{C}$
Tolerance		± 5	%

ELECTRICAL CHARACTERISTICS: ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

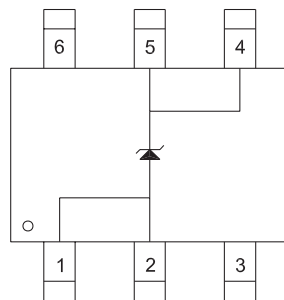
SYMBOL	TEST CONDITIONS	MIN	NOMINAL	MAX	UNITS
V_Z	$I_Z = 7.5\text{mA}$	5.89	6.20	6.51	V
Z_Z	$I_Z = 7.5\text{mA}$			20	Ω
$^*\Delta V_Z$				0.28	mV/ $^{\circ}\text{C}$

* The Maximum allowable change observed over the temperature range of -55°C to $+100^{\circ}\text{C}$

SOT-363 CASE - MECHANICAL OUTLINE



Pinout



LEAD CODE:

- 1) ANODE
- 2) ANODE
- 3) N. C.
- 4) CATHODE
- 5) CATHODE
- 6) N. C.

MARKING CODE: CT25

Suggested Mounting Pad Geometry
Dimensions in mm

