

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

Power Dissipation  
Operating and Storage  
Junction Temperature  
Tolerance

**SYMBOL**

$P_D$  325  
 $T_J, T_{stg}$  -65 to +150  
 $\pm 5$

**UNITS**

mW  
 $^{\circ}\text{C}$   
%

**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	$\Omega$
$\Delta V_Z$				0.28	mV/ $^{\circ}\text{C}$

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

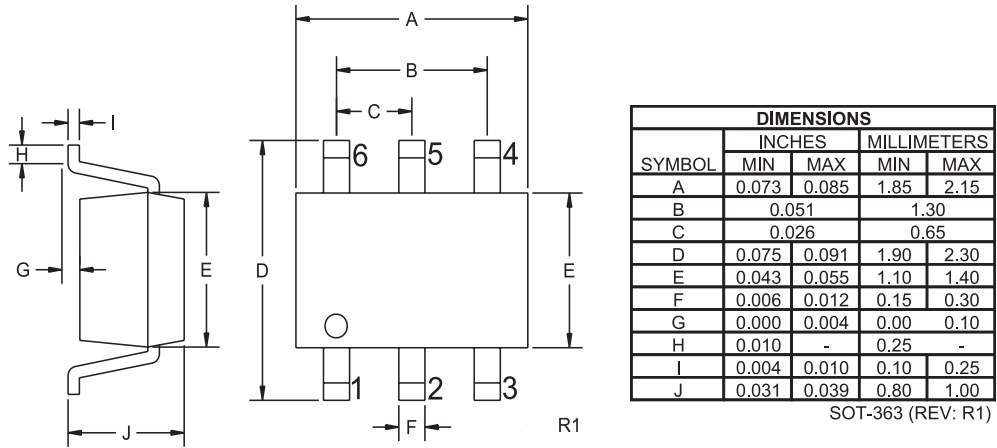
**Central**<sup>TM</sup>  
**Semiconductor Corp.**

**DESCRIPTION:**

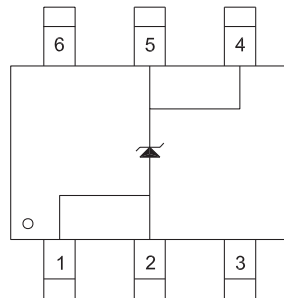
The CENTRAL SEMICONDUCTOR CMKTC825A type is a 6.2 volt temperature compensated Zener reference diode. This device is ideal for applications requiring long term voltage stability over the specified temperature range.

**MARKING CODE: CT25**

**SOT-363 CASE - MECHANICAL OUTLINE**



**Pinout**



**LEAD CODE:**

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

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**Suggested Mounting Pad Geometry**  
Dimensions in mm

