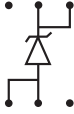




CMKTC825A  
SURFACE MOUNT  
ULTRAmini™  
TEMPERATURE COMPENSATED  
SILICON ZENER DIODE

ULTRAmini™



SOT-363 CASE

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<sub>A</sub>=25°C)

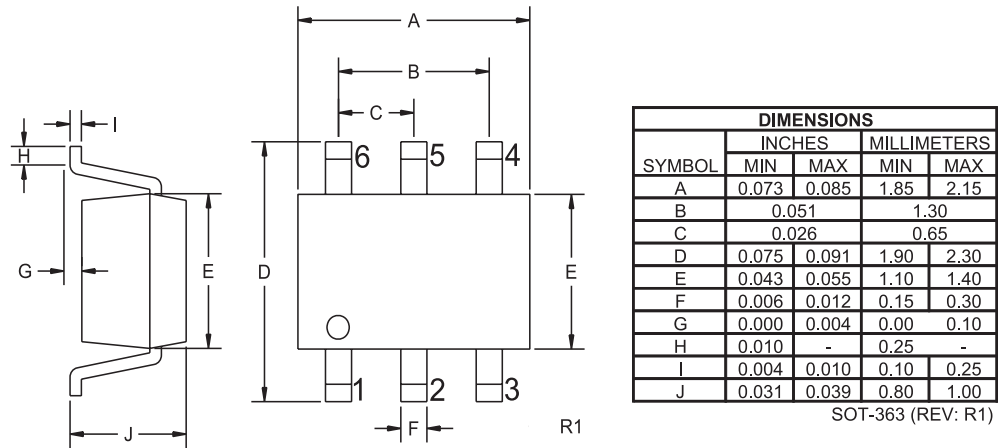
	SYMBOL		UNITS
Power Dissipation Operating and Storage	P <sub>D</sub>	325	mW
Junction Temperature	T <sub>J</sub> , T <sub>stg</sub>	-65 to +150	°C
Tolerance		±5	%

**ELECTRICAL CHARACTERISTICS:** (T<sub>A</sub>=25°C unless otherwise noted)

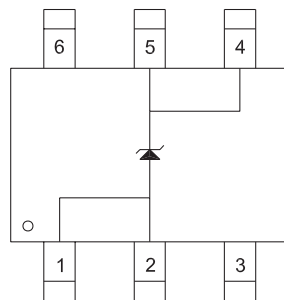
SYMBOL	TEST CONDITIONS	MIN	NOMINAL	MAX	UNITS
V <sub>Z</sub>	I <sub>Z</sub> = 7.5mA	5.89	6.20	6.51	V
Z <sub>Z</sub>	I <sub>Z</sub> = 7.5mA			20	Ω
*ΔV <sub>Z</sub>				0.28	mV/°C

\* The Maximum allowable change observed over the temperature range of -55°C to +100°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**

