

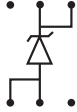
Temperature Compensated Zener Diode

CMKTC825A

ULTRAmi™



SOT-363



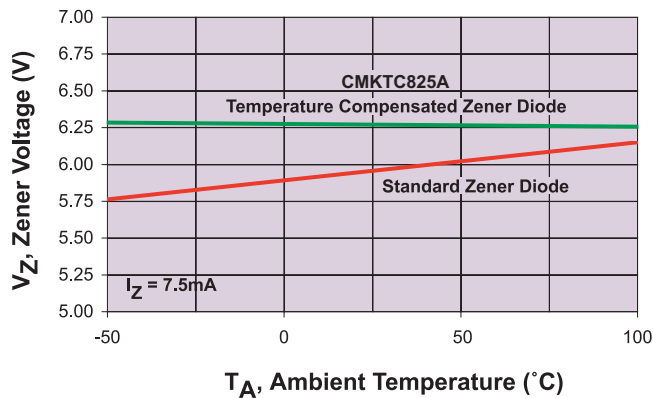
features

- $V_Z = 6.2V$
- $\Delta V_Z = 44mV$ (over Temperature range $-55^\circ C$ to $+100^\circ C$)
- Ideal alternative to leaded 1N825A

description

The Central Semiconductor CMKTC825A is a temperature compensated zener reference diode ideal for applications requiring long term voltage stability over a specified temperature range.

Sample Devices
available
upon request.



selection guide



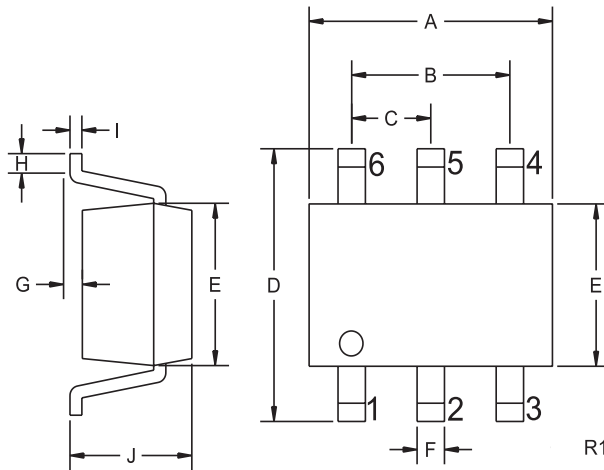
New Temperature Compensated Zener Diode

POWER	325mW			
CASE (Actual Size)	SOT-363			
ZENER VOLTAGE	ZENER TEST CURRENT	MAXIMUM ZENER IMPEDANCE	* VOLTAGE TEMPERATURE STABILITY	
$V_Z @ I_{ZT}$	I_{ZT}	$Z_{ZT} @ I_{ZT}$	$\Delta V_Z \text{ MAX}$	
VOLTS	mA	Ω	mV	
CMKTC825A	6.2	7.5	20	44

* The maximum Allowable change observed over the entire temperature range (-55 to $+100^\circ C$)

Temperature Compensated Zener Diode

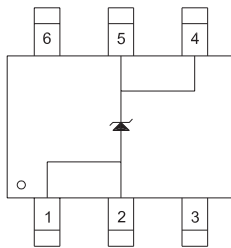
Mechanical Specifications



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.073	0.085	1.85	2.15
B	0.051		1.30	
C	0.026		0.65	
D	0.075	0.091	1.90	2.30
E	0.043	0.055	1.10	1.40
F	0.006	0.012	0.15	0.30
G	0.000	0.004	0.00	0.10
H	0.010	-	0.25	-
I	0.004	0.010	0.10	0.25
J	0.031	0.039	0.80	1.00

SOT-363 (REV: R1)

Pinout



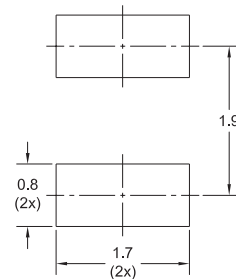
LEAD CODE:

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

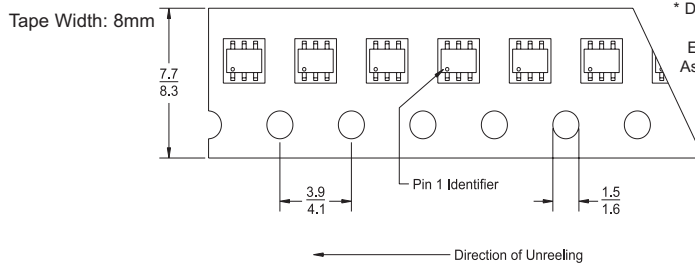
MARKING CODE: CT25

Suggested Mounting Pad Geometry

Dimensions in mm



Tape Dimensions and Orientation (Dimensions in mm)



* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-1-A

CentralTM
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PA CMKTC825A