CMXTC935A

SURFACE MOUNT
TEMPERATURE COMPENSATED
SILICON ZENER DIODE
±5% TOLERANCE

SUPERmini™



SOT-26 CASE

Central Semiconductor Corp.

www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMXTC935A is a 9.0 Volt, temperature compensated Zener reference diode. This device is ideal for applications requiring long term voltage stability over the specified temperature range.

For proper device operation, external connections must be made on the PCB. See the suggested mounting pad drawing on the following page.

MARKING CODE: C935

MAXIMUM RATINGS: (T_A=25°C)	**SYMBOL**	**UNITS**	
Power Dissipation	P_D	350	mW
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**	**NOM**	**MAX**	**UNITS**
V_Z	I_Z=7.5mA	8.55	9.0	9.45	V
Z_Z	I_Z=7.5mA			30	Ω
ΔV_Z*	I_Z=7.5mA			95	mV

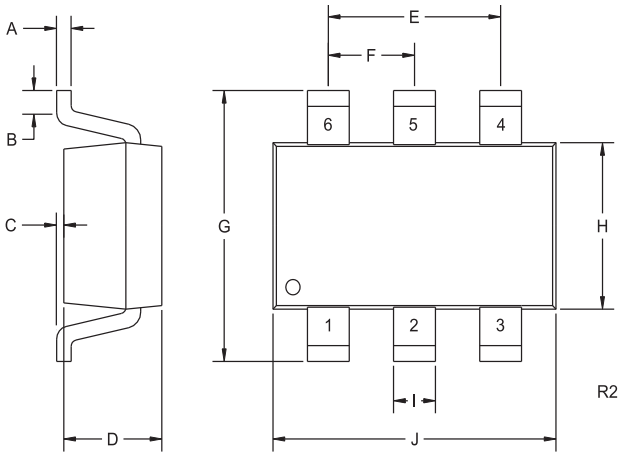
* The Maximum allowable voltage change observed at the specified temperatures of -55°C, 0°C, 25°C, 75°C, and 100°C.

R1 (12-February 2010)

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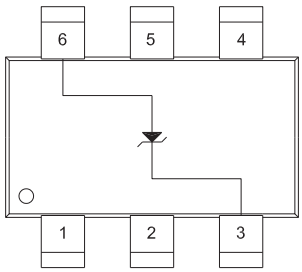
SOT 26 CASE - MECHANICAL OUTLINE



DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
A	0.004	0.007	0.11	0.19
B	0.016	-	0.40	-
C	-	0.004	-	0.10
D	0.039	0.047	1.00	1.20
E	0.074	0.075	1.88	1.92
F	0.037	0.038	0.93	0.97
G	0.102	0.118	2.60	3.00
H	0.059	0.067	1.50	1.70
I	0.016		0.41	
J	0.110	0.118	2.80	3.00

SOT-26 (REV: R2)

PIN CONFIGURATION

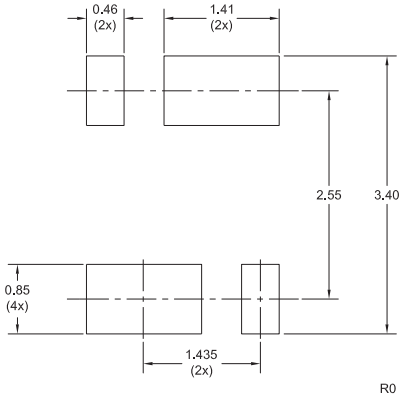


LEAD CODE:
1) Connect To Pin 2
2) Connect To Pin 1
3) Cathode
4) Connect To Pin 5
5) Connect To Pin 4
6) Anode

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SUGGESTED MOUNTING PADS

(Dimensions in mm)



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