CMXTC935A

SURFACE MOUNT TEMPERATURE COMPENSATED SILICON ZENER DIODE ±5% TOLERANCE





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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}	$I_Z=7.5$ mA	8.55	9.0	9.45	V
z_Z	$I_Z=7.5$ mA			30	Ω
ΔV_Z^*	I _Z =7.5mA			95	mV

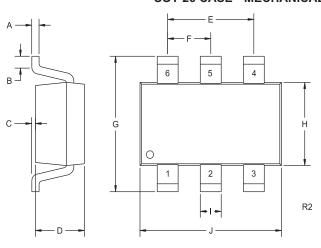
^{*} The Maximum allowable voltage change observed at the specified temperatures of -55°C, 0°C, 25°C, 75°C, and 100°C.

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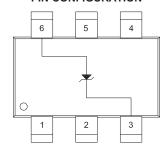
SOT 26 CASE - MECHANICAL OUTLINE



DIMENSIONS						
	INCHES		MILLIMETERS			
SYMBOL	MIN	MAX	MIN	MAX		
Α	0.004	0.007	0.11	0.19		
В	0.016	-	0.40	-		
С	-	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		
Н	0.059	0.067	1.50	1.70		
	0.016		0.41			
J	0.110	0.118	2.80	3.00		

SOT-26 (REV: R2)

PIN CONFIGURATION



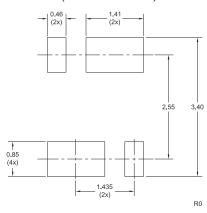
LEAD CODE:

- 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)



R1 (12-February 2010)