

CLL5530B
 SURFACE MOUNT
 SILICON ZENER DIODE
 10 VOLTS
 400mW, 5% TOLERANCE



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CLL5530B is a Silicon Avalanche Zener Diode designed for applications requiring low noise, low leakage, low current, and low impedance.

MARKING: CATHODE BAND



SOD-80 CASE

MAXIMUM RATINGS: (T_A=50°C)

Power Dissipation

Operating and Storage Junction Temperature

SYMBOL

P_D

T_J, T_{stg}

400

-65 to +200

UNITS

mW

°C

ELECTRICAL CHARACTERISTICS: (T_A=25°C unless otherwise noted)

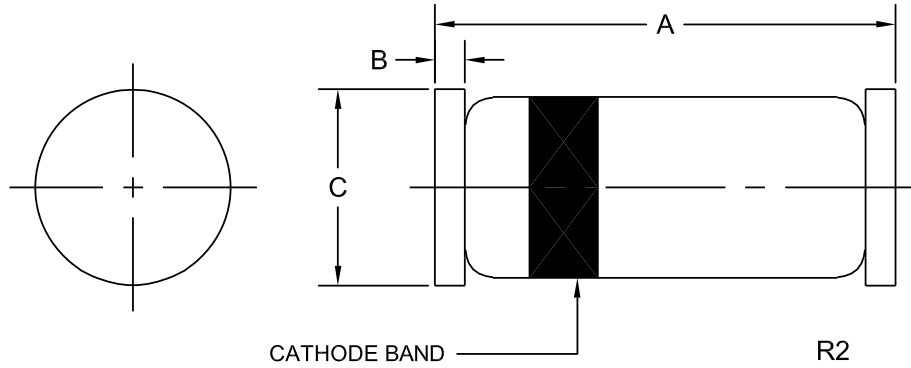
Zener Voltage			Test Current	Maximum Zener Impedance	Maximum Reverse Leakage Current		Maximum Regulation Factor		Maximum Regulator Current
V _Z @ I _{ZT}			I _{ZT}	Z _{ZT} @ I _{ZT}	I _R @ V _R	ΔV _Z @ I _{ZL}		I _{ZM}	
MIN V	NOM V	MAX V	mA	Ω	μA	V	V	mA	mA
9.5	10	10.5	1.0	60	0.05	8.0	0.10	0.01	38

ΔV_Z=V_Z @ I_{ZT} minus V_Z @ I_{ZL}

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SOD-80 CASE - MECHANICAL OUTLINE



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DIMENSIONS				
SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.130	0.146	3.30	3.71
B	0.014		0.35	
C (DIA)	0.049	0.067	1.25	1.70

SOD-80 (REV:R2)

R1 (8-January 2010)