

CN5280B
CN5281B

SILICON ZENER DIODES
500mW, 190 AND 200 VOLT
5% TOLERANCE



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CN5280B and CN5281B Zener diodes are high voltage regulators for use in industrial and commercial applications.

MARKING: FULL PART NUMBER



MAXIMUM RATINGS: ($T_L=75^\circ\text{C}$)

Power Dissipation
Operating and Storage Junction Temperature

SYMBOL

P_D 500
 T_J, T_{stg} -65 to +200

UNIT

mW
 $^\circ\text{C}$

ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$), $V_F=1.2\text{V MAX @ } I_F=200\text{mA}$

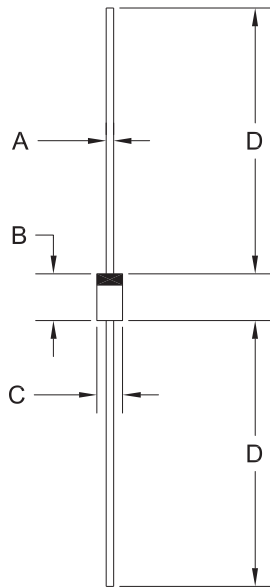
Type	Zener Voltage $V_Z @ I_{ZT}$			Test Current I_{ZT}	Maximum Zener Impedance			Maximum Reverse Current		Maximum Temperature Coefficient $\ominus V_Z$
	MIN	NOM	MAX		$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$		$I_R @ V_R$		
	V	V	V	mA	Ω	Ω	mA	μA	V	$\% / ^\circ\text{C}$
CN5280B	180.5	190	199.5	0.66	2400	6500	0.25	0.1	144	+0.11
CN5281B	190	200	210	0.65	2500	7000	0.25	0.1	152	+0.11

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DO-41S CASE - MECHANICAL OUTLINE



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.018	0.022	0.45	0.55
B	0.138	0.177	3.50	4.50
C	0.091	0.118	2.30	3.00
D	1.000	-	25.40	-

DO-41S (REV: R0)

R0

R2 (4-September 2013)