

**CLL5226B
THRU
CLL5257B**

**500 mW ZENER DIODE
5% TOLERANCE**



SOD-80 CASE

CentralTM
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CLL5226B Series Silicon Zener Diode is a high quality voltage regulator for use in industrial, commercial, entertainment and computer applications. Higher voltage devices are available on special order.

Marking Code: Cathode Band

ABSOLUTE MAXIMUM RATINGS

Power Dissipation (@ $T_A = 50^\circ\text{C}$)

Operating and Storage Temperature

SYMBOL

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

UNITS

mW
 $^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$), $V_F=1.1\text{V MAX}$ @ $I_F=200\text{mA}$ FOR ALL TYPES.

TYPE NO.	ZENER VOLTAGE	TEST CURRENT	Maximum Zener Impedance			Maximum Reverse Current		MAXIMUM ZENER VOLTAGE TEMPERATURE COEFFICIENT
	$V_Z @ I_{ZT}$	I_{ZT}	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$		$I_R @ V_R$		θ_{V_Z}
	VOLTS	mA	Ω	Ω	mA	μA	VOLTS	%/ $^\circ\text{C}$
CLL5226B	3.3	20	28	1600	0.25	25	1.0	-0.070
CLL5227B	3.6	20	24	1700	0.25	15	1.0	-0.065
CLL5228B	3.9	20	23	1900	0.25	10	1.0	-0.060
CLL5229B	4.3	20	22	2000	0.25	5.0	1.0	± 0.055
CLL5230B	4.7	20	19	1900	0.25	5.0	2.0	± 0.030
CLL5231B	5.1	20	17	1600	0.25	5.0	2.0	± 0.030
CLL5232B	5.6	20	11	1600	0.25	5.0	3.0	+0.038
CLL5233B	6.0	20	7.0	1600	0.25	5.0	3.5	+0.038
CLL5234B	6.2	20	7.0	1000	0.25	5.0	4.0	+0.045
CLL5235B	6.8	20	5.0	750	0.25	3.0	5.0	+0.050
CLL5236B	7.5	20	6.0	500	0.25	3.0	6.0	+0.058
CLL5237B	8.2	20	8.0	500	0.25	3.0	6.5	+0.062
CLL5238B	8.7	20	8.0	600	0.25	3.0	6.5	+0.065
CLL5239B	9.1	20	10	600	0.25	3.0	7.0	+0.068
CLL5240B	10	20	17	600	0.25	3.0	8.0	+0.075
CLL5241B	11	20	22	600	0.25	2.0	8.4	+0.076
CLL5242B	12	20	30	600	0.25	1.0	9.1	+0.077
CLL5243B	13	9.5	13	600	0.25	0.5	9.9	+0.079
CLL5244B	14	9.0	15	600	0.25	0.1	10	+0.082
CLL5245B	15	8.5	16	600	0.25	0.1	11	+0.082
CLL5246B	16	7.8	17	600	0.25	0.1	12	+0.083
CLL5247B	17	7.4	19	600	0.25	0.1	13	+0.084
CLL5248B	18	7.0	21	600	0.25	0.1	14	+0.085
CLL5249B	19	6.6	23	600	0.25	0.1	14	+0.086
CLL5250B	20	6.2	25	600	0.25	0.1	15	+0.086
CLL5251B	22	5.6	29	600	0.25	0.1	17	+0.087
CLL5252B	24	5.2	33	600	0.25	0.1	18	+0.088
CLL5253B	25	5.0	35	600	0.25	0.1	19	+0.089
CLL5254B	27	4.6	41	600	0.25	0.1	21	+0.090
CLL5255B	28	4.5	44	600	0.25	0.1	21	+0.091
CLL5256B	30	4.2	49	600	0.25	0.1	23	+0.091
CLL5257B	33	3.8	58	700	0.25	0.1	25	+0.092

All dimensions in inches (mm).

