

**CLL4614
THRU
CLL4627**

**500mW LOW NOISE ZENER DIODE
5% TOLERANCE**



SOD-80 CASE

**CentralTM
Semiconductor Corp.**

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CLL4614 Series Silicon Zener Diode is a high quality voltage regulator designed for low leakage, low current and low noise applications.

Marking Code: Cathode Band

ABSOLUTE MAXIMUM RATINGS

Power Dissipation (@ $T_A=25^{\circ}\text{C}$)
Operating and Storage Temperature

SYMBOL

P_D
 T_J, T_{stg}

500
-65 to +200

UNITS

mW
 $^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS

($T_A=25^{\circ}\text{C}$) $V_F=1.0\text{V MAX}$ @ $I_F = 200\text{mA}$ FOR ALL TYPES.

Type No.	Zener Voltage	Test Current	Maximum Zener Impedance	Maximum Reverse Leakage Current		Maximum Zener Current	Maximum Noise Density
	$V_Z @ I_{ZT}$	I_{ZT}	$Z_{ZT} @ I_{ZT}$	$I_R @ V_R$		I_{ZM}	$N_D @ I_{ZT}=250\mu\text{A}$
	VOLTS	μA	Ω	μA	VOLTS	mA	$\mu\text{V}/\sqrt{\text{Hz}}$
CLL4614*	1.8	250	1200	7.5	1.0	120	1.0
CLL4615*	2.0	250	1250	5.0	1.0	110	1.0
CLL4616*	2.2	250	1300	4.0	1.0	100	1.0
CLL4617*	2.4	250	1400	2.0	1.0	95	1.0
CLL4618*	2.7	250	1500	1.0	1.0	90	1.0
CLL4619*	3.0	250	1600	0.8	1.0	85	1.0
CLL4620*	3.3	250	1650	7.5	1.5	80	1.0
CLL4621*	3.6	250	1700	7.5	2.0	75	1.0
CLL4622*	3.9	250	1650	5.0	2.0	70	1.0
CLL4623*	4.3	250	1600	4.0	2.0	65	1.0
CLL4624*	4.7	250	1550	10	3.0	60	1.0
CLL4625*	5.1	250	1500	10	3.0	55	2.0
CLL4626*	5.6	250	1400	10	4.0	50	4.0
CLL4627*	6.2	250	1200	10	5.0	45	5.0

* Available on special order; consult factory.

All dimensions in inches (mm).

