

CMPZ4614
THRU
CMPZ4627

SURFACE MOUNT
LOW NOISE
SILICON ZENER DIODE
350mW, 5% TOLERANCE



www.centrasemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMPZ4614 Series types are high quality silicon zener diodes designed for low leakage, low current and low noise applications.

MARKING CODE: CONSULT FACTORY



SOT-23 CASE

MAXIMUM RATINGS: ($T_A=25^\circ\text{C}$ unless otherwise noted)	SYMBOL	UNITS
Power Dissipation	P_D	350 mW
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 to +150 $^\circ\text{C}$

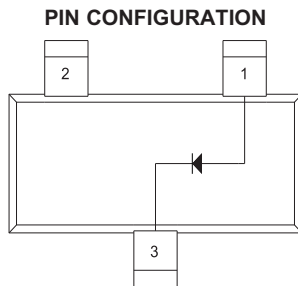
ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$ unless otherwise noted) $V_F=1.0\text{V MAX @ } I_F=200\text{mA}$ (for all types)

TYPE	NOMINAL ZENER VOLTAGE $V_Z @ I_{ZT}$	TEST CURRENT I_{ZT}	MAXIMUM ZENER IMPEDANCE $Z_{ZT} @ I_{ZT}$	MAXIMUM REVERSE LEAKAGE CURRENT		MAXIMUM ZENER CURRENT I_{ZM}	MAXIMUM NOISE DENSITY $N_D @ I_{ZT}$
	V	μA	Ω	$I_R @ V_R$	V	mA	$\mu\text{V}/\sqrt{\text{Hz}}$
CMPZ4614	1.8	250	1200	7.5	1.0	120	1.0
CMPZ4615	2.0	250	1250	5.0	1.0	110	1.0
CMPZ4616	2.2	250	1300	4.0	1.0	100	1.0
CMPZ4617	2.4	250	1400	2.0	1.0	95	1.0
CMPZ4618	2.7	250	1500	1.0	1.0	90	1.0
CMPZ4619	3.0	250	1600	0.8	1.0	85	1.0
CMPZ4620	3.3	250	1650	7.5	1.5	80	1.0
CMPZ4621	3.6	250	1700	7.5	2.0	75	1.0
CMPZ4622	3.9	250	1650	5.0	2.0	70	1.0
CMPZ4623	4.3	250	1600	4.0	2.0	65	1.0
CMPZ4624	4.7	250	1550	10	3.0	60	1.0
CMPZ4625	5.1	250	1500	10	3.0	55	2.0
CMPZ4626	5.6	250	1400	10	4.0	50	4.0
CMPZ4627	6.2	250	1200	10	5.0	45	5.0

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SOT-23 CASE - MECHANICAL OUTLINE



LEAD CODE:
 1) Anode
 2) No Connection
 3) Cathode

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SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.003	0.007	0.08	0.18
B	0.006	-	0.15	-
C	-	0.005	-	0.13
D	0.035	0.043	0.89	1.09
E	0.110	0.120	2.80	3.05
F	0.075		1.90	
G	0.037		0.95	
H	0.047	0.055	1.19	1.40
I	0.083	0.098	2.10	2.49
J	0.014	0.020	0.35	0.50

SOT-23 (REV: R3)

R7 (3-February 2010)