

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)

Power Dissipation  
Operating and Storage Junction Temperature

**SYMBOL**

$P_D$   
 $T_J, T_{stg}$

350  
-65 to +150

**UNITS**

mW  
 $^\circ\text{C}$

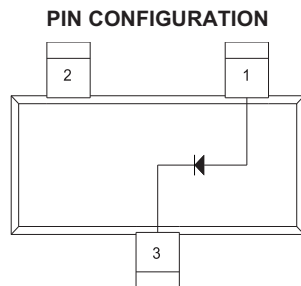
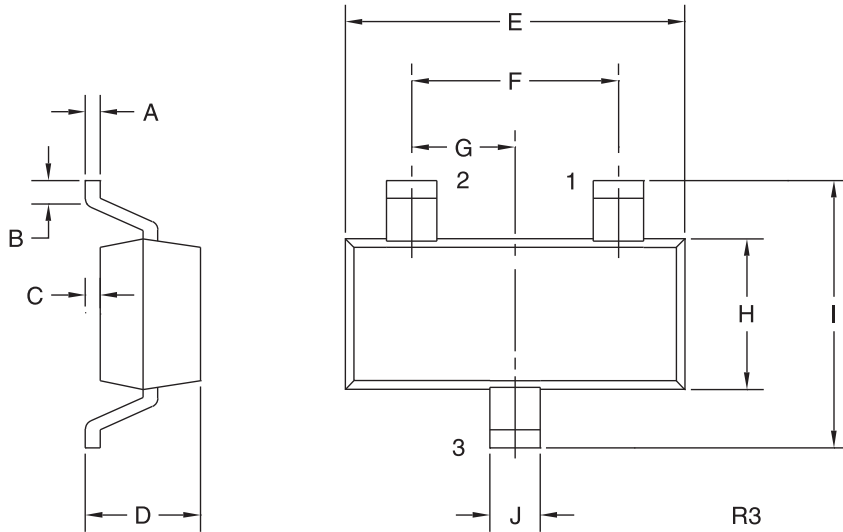
**ELECTRICAL CHARACTERISTICS:** ( $T_A=25^\circ\text{C}$  unless otherwise noted)  $V_F=1.0\text{V MAX @ } I_F=200\text{mA}$  (for all types)

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	$\mu\text{A}$	$\Omega$	$I_R @ V_R$ $\mu\text{A}$	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

**MARKING CODE:  
 CONSULT FACTORY**

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)

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- Custom product packing

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- Package details
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- Application and design sample kits
- Custom product and package development

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### CONTACT US

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