

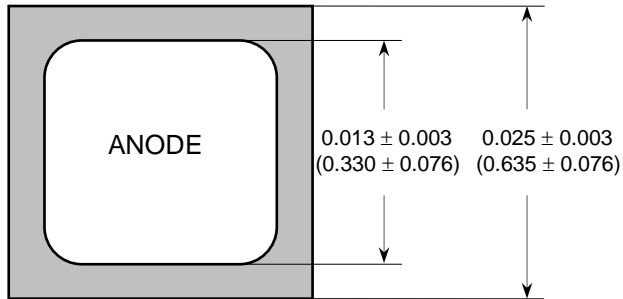
ZENER 0.5W VOLTAGE REGULATOR CHIP/DIE**CONFIGURATION: Zener 0.5W Voltage Regulator**

- All ratings are @ Tc = 25 °C unless otherwise specified.
- Operating temperature: -55 °C to +175 °C and storage temperature: -65 °C to +175 °C

ELECTRICAL CHARACTERISTICS

Type	VZ2 nom at IZ2	VZ1 IZ1 250 µA	IZ2 test current	ZZT at IZ2	ZZK at 250 µA	IZM	VZ(reg) ¹	VR	IR1 at +25°C	IR2 at TA = +150°C	avz
	V	minV	mA	Ω	Ω	mA	V	V	µA	µA	%/°C
1C6324	10.0	9.1	20	6	500	43	0.50	8.0	1.00	10	+0.079
1C6325	11.0	10.0	20	7	550	39	0.50	8.5	1.00	10	+0.082
1C6326	12.0	11.0	20	7	550	35	0.55	9.0	1.00	10	+0.083
1C6327	13.0	11.9	9.5	8	550	33	0.55	9.9	0.05	10	+0.083
1C6328	15.0	13.8	8.5	10	600	28	0.70	11.0	0.05	10	+0.084
1C6329	16.0	14.7	7.8	12	600	27	0.75	12.0	0.05	10	+0.084
1C6330	18.0	16.6	7.0	14	600	24	0.85	14.0	0.05	10	+0.085
1C6331	20.0	18.5	6.2	18	500	21	0.95	15.0	0.05	10	+0.086
1C6332	22.0	20.4	5.6	20	500	19	1.05	17.0	0.05	10	+0.087
1C6333	24.0	22.3	5.2	24	500	18	1.15	18.0	0.05	10	+0.088
1C6334	27.0	25.2	4.6	27	500	16	1.30	21.0	0.05	10	+0.090
1C6335	30.0	28.0	4.2	32	500	14	1.45	23.0	0.05	10	+0.091
1C6336	33.0	30.9	3.8	40	600	13	1.60	25.0	0.05	10	+0.092
1C6337	36.0	33.7	3.4	50	600	12.0	1.75	27.0	0.05	10	+0.093
1C6338	39.0	36.6	3.2	55	700	11.0	1.90	30	0.05	10	+0.094
1C6339	43.0	40.4	3.0	65	800	9.9	2.10	33	0.05	10	+0.095
1C6340	47.0	44.2	2.7	75	900	9.0	2.25	36	0.05	10	+0.095
1C6341	51.0	48.0	2.5	85	1000	8.3	2.50	39	0.05	10	+0.096
1C6342	56.0	52.7	2.2	100	1200	7.6	2.70	43	0.05	10	+0.097
1C6343	62.0	58.4	2.0	125	1300	6.8	2.90	47	0.05	10	+0.098
1C6344	68.0	64.1	1.8	155	1500	6.3	3.20	52	0.05	10	+0.101
1C6345	75.0	70.8	1.7	180	1600	5.7	3.40	56	0.05	10	+0.103
1C6346	82.0	77.4	1.5	220	1800	5.2	3.80	62	0.05	10	+0.105
1C6347	91.0	86.0	1.4	270	2100	4.7	4.20	69	0.05	10	+0.108
1C6348	100.0	94.5	1.3	340	2400	4.3	4.40	76	0.05	10	+0.110
1C6349	110.0	104.0	1.1	500	2800	3.9	4.80	84	0.05	10	+0.110
1C6350	120.0	113.0	1.0	600	3200	3.5	5.20	91	0.05	10	+0.110
1C6351	130.0	122.0	0.95	850	4100	3.3	5.60	99	0.05	10	+0.110

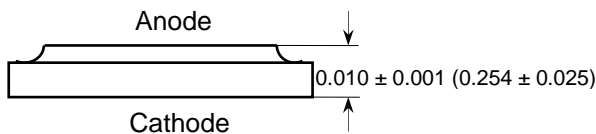
Note 1: Vz at 50% IZM (@90 sec) - Vz @ 10% IZM (@90sec)

SENSITRON
SEMICONDUCTORTECHNICAL DATA
DATASHEET 4220, Rev A.2**PACKAGE DIMENSIONS (inches/mm)**

Bottom side metalization: Ti/Ni/Ag - 30 kÅ typical

Top side metalization: Al - 25 kÅ minimum or
Ti/Ni/Ag - 30 kÅ typical.

Bottom side is cathode, top side is anode.

**PART ORDERING INFORMATION:****1CXXXX XX X -X**

Part Number

Metal Combinations (blank is Al top/Ag bottom):

Suffix	Top	Bottom	Part Number
blank	Al	Ag	1C6324
AG	Al	Au	1C6324AG
BB	Ag	Ag	1C6324BB
BG	Ag	Au	1C6324BG
GB	Au	Ag	1C6324GB

A = Ti (0.3 kÅ) / Al (25 kÅ)

B = Ti (1.2 kÅ) / Ni (1.8 kÅ) / Ag (30kÅ)

G = Ti (1.2 kÅ) / Ni (1.8 kÅ) / Au (4kÅ) (**BOTTOM**)**Quality Level (blank is commercial level):**

Suffix	Part Number	Description
blank	1C6324	Commercial level
H	1C6324H	Class H level
K	1C6324AGK	Class K level Al top/Au bottom

Polarity (blank is anode top/cathode bottom):

Suffix	Top	Bottom	Part Number
blank	Anode	Cathode	1C6324
-R	Cathode	Anode	1C6324AGK-R

1C6324 thru 1C6351

ZENER 0.5W VOLTAGE
REGULATOR CHIP/DIE

SENSITRON
SEMICONDUCTOR

TECHNICAL DATA
DATASHEET 4220, Rev A.2

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