

TECHNICAL DATA
DATA SHEET 4219, REV B

Zener 1.5W Voltage Regulator

- All ratings are @Tc=25°C, unless otherwise specified
- VF =1.5V at IF=1A
- Operating Temperature: -65°C to +175°C
- Storage Temperature: -65°C to +200°C

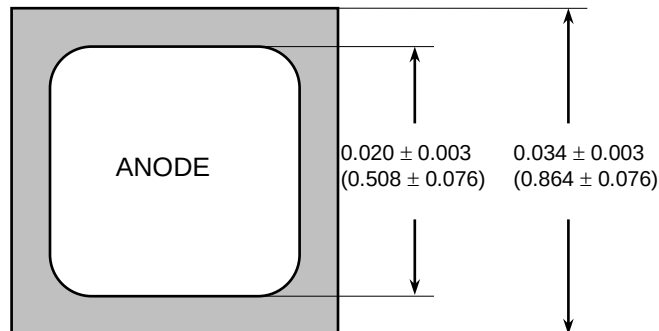
ELECTRICAL CHARACTERISTICS

Part Number	Min Zener Voltage Vz	Max Zener Voltage Vz	Test current I _{zT}	Max Dynamic Impedance Z _{ZK} @ I _{ZK}	Max Knee Impedance I _{ZK} @ I _{ZK}		Voltage Regulation Vz	Temperature Coefficient A _{VZ}	Maximum Reverse Current I _R @ V _R	
	V	V	mA	Ω	Ω	mA	V	%/°C	μA	V
1C4464	8.65	9.55	28.0	4	500	0.5	.45	+.068	.30	5.46
1C4465	9.50	10.50	25.0	5	500	.25	.50	+.071	.30	8.00
1C4466	10.45	11.55	23.0	6	550	.25	.55	+.073	.30	8.80
1C4467	11.40	12.60	21.0	7	550	.25	.60	+.076	.20	9.60
1C4468	12.35	13.65	19.0	8	550	.25	.65	+.079	.05	10.40
1C4469	14.25	15.75	17.0	9	600	.25	.75	+.082	.05	12.00
1C4470	15.20	16.80	15.5	10	600	.25	.80	+.083	.05	12.80
1C4471	17.10	18.90	14.0	11	650	.25	.83	+.085	.05	14.40
1C4472	19.00	21.00	12.5	12	650	.25	.95	+.086	.05	16.00
1C4473	20.90	23.10	11.5	14	650	.25	1.0	+.087	.05	17.60
1C4474	22.80	25.20	10.5	16	700	.25	1.1	+.088	.05	19.20
1C4475	25.70	28.30	9.5	18	700	.25	1.3	+.090	.05	21.60
1C4476	28.50	31.50	8.5	20	750	.25	1.4	+.091	.05	24.00
1C4477	31.40	34.60	7.5	25	800	.25	1.5	+.092	.05	26.40
1C4478	34.20	37.80	7.0	27	850	.25	1.7	+.093	.05	28.80
1C4479	37.10	40.90	6.5	30	900	.25	1.8	+.094	.05	31.20
1C4480	40.90	45.10	6.0	40	950	.25	1.9	+.095	.05	34.40
1C4481	44.70	49.30	5.5	50	1000	.25	2.1	+.095	.05	37.60
1C4482	48.50	53.50	5.0	60	1100	.25	2.3	+.096	.05	40.80
1C4483	53.20	58.80	4.5	70	1300	.25	2.5	+.096	.25	44.80
1C4484	58.90	65.10	4.0	80	1500	.25	2.7	+.097	.25	49.60
1C4485	64.60	71.40	3.7	100	1700	.25	3.0	+.097	.25	54.40
1C4486	71.30	78.70	3.3	130	2000	.25	3.3	+.098	.25	60.40
1C4487	77.90	86.10	3.0	160	2500	.25	3.6	+.098	.25	65.60
1C4488	86.50	95.50	2.8	200	3000	.25	4.0	+.099	.25	72.80
1C4489	95.00	105.00	2.5	250	3100	.25	4.4	+.100	.25	80.00
1C4490	104.50	115.50	2.0	300	4000	.25	5.0	+.100	.25	88.00
1C4491	114.00	126.00	2.0	400	4500	.25	5.5	+.100	.25	96.00
1C4492	123.50	136.50	1.9	500	5000	.25	6.0	+.100	.25	104.00
1C4493	142.50	157.50	1.7	700	6000	.25	7.0	+.100	.25	120.00
1C4494	152.00	168.00	1.6	1000	6500	.25	8.0	+.100	.25	128.00

SENSITRON

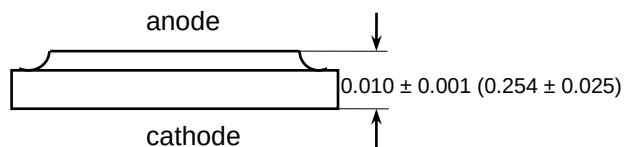
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Mechanical Dimensions: In Inches / mm



Top side metalization: Al - 25kÅ minimum
 Bottom side metalization: Ti/Ni/Ag - 30 kÅ nominal
 Top side is anode, bottom side is cathode

See part ordering information for different options



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	1C4464
AG	Al	Au	1C4464AG
BB	Ag	Ag	1C4464BB
BG	Ag	Au	1C4464BG

A = Ti (0.3 kA) / Al (25 kA) minimum
 B = Ti (1.2 kA) / Ni (1.8 kA) / Ag (30kA)
 G = Ti (1.2 kA) / Ni (1.8 kA) / Au (4kA) (**BOTTOM**)

Quality Level (blank is commercial level):

Suffix	Part Number	Description
blank	1C4464	Commercial level
H	1C4464H	Class H level
K	1C4464AGK	Class K level Al top/Au bottom

Polarity (blank is anode top/cathode bottom):

Suffix	Top	Bottom	Part Number
blank	Anode	Cathode	1C4464
-R	Cathode	Anode	1C4464AGK-R

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