

TECHNICAL DATA SHEET
DATASHEET 5333, Rev A

ZENER DIE

Features:

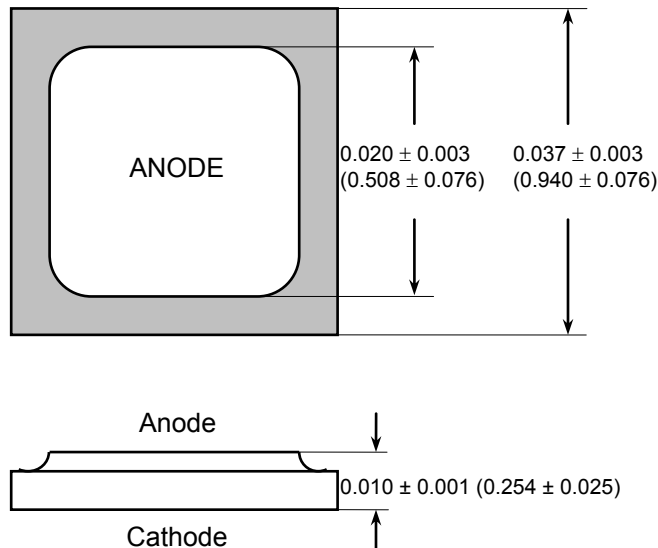
- Operating Temperature: -65 °C to 175 °C
- Die Size: 37mils square

Electrical Characteristics:

Part Number	Nominal Zener Voltage Vz	Test current I _{ZT}	Max Dynamic Impedance Z _{ZK} @ I _{ZK}	Max Knee Impedance I _{ZK} @ I _{ZK}		Max Continuous Current I _{ZM}	Max Surge Current I _{ZSM}	Maximum Reverse Current I _R @ V _R	
	V	mA	Ω	Ω	mA	mA	A	μA	V
1C4461/US	6.8	37	2.5	200	1	210	2.1	5	4.08
1C4462/US	7.5	34	2.5	400	0.5	191	1.9	1	4.50
1C4463/US	8.2	31	3	400	0.5	174	1.7	.5	4.92
1C4464/US	9.1	28.0	4	500	0.5	157	1.6	.30	5.46
1C4465/US	10.0	25.0	5	500	.25	143	1.4	.30	8.00
1C4466/US	11.0	23.0	6	550	.25	130	1.3	.30	8.80
1C4467/US	12.0	21.0	7	550	.25	119	1.2	.20	9.60
1C4468/US	13.0	19.0	8	550	.25	110	1.1	.05	10.40
1C4469/US	15.0	17.0	9	600	.25	95	.95	.05	12.00
1C4470/US	16.0	15.5	10	600	.25	90	.90	.05	12.80
1C4471/US	18.0	14.0	11	650	.25	79	.79	.05	14.40
1C4472/US	20.0	12.5	12	650	.25	71	.71	.05	16.00
1C4473/US	22.0	11.5	14	650	.25	65	.65	.05	17.60
1C4474/US	24.0	10.5	16	700	.25	60	.60	.05	19.20
1C4475/US	27.0	9.5	18	700	.25	53	.53	.05	21.60
1C4476/US	30.0	8.5	20	750	.25	48	.48	.05	24.00
1C4477/US	33.0	7.5	25	800	.25	43	.43	.05	26.40
1C4478/US	36.0	7.0	27	850	.25	40	.40	.05	28.80
1C4479/US	39.0	6.5	30	900	.25	37	.37	.05	31.20
1C4480/US	43.0	6.0	40	950	.25	33	.33	.05	34.40
1C4481/US	47.0	5.5	50	1000	.25	30	.30	.05	37.60
1C4482/US	51.0	5.0	60	1100	.25	28	.28	.05	40.80
1C4483/US	56.0	4.5	70	1300	.25	26	.26	.25	44.80
1C4484/US	62.0	4.0	80	1500	.25	23	.23	.25	49.60
1C4485/US	68.0	3.7	100	1700	.25	21	.21	.25	54.40
1C4486/US	75.0	3.3	130	2000	.25	19	.19	.25	60.40
1C4487/US	82.0	3.0	160	2500	.25	17	.17	.25	65.60
1C4488/US	91.0	2.8	200	3000	.25	16	.16	.25	72.80
1C4489/US	100.0	2.5	250	3100	.25	14	.14	.25	80.00
1C4490/US	110.0	2.0	300	4000	.25	13	.13	.25	88.00
1C4491/US	120.0	2.0	400	4500	.25	12	.12	.25	96.00
1C4492/US	130.0	1.9	500	5000	.25	11	.11	.25	104.00
1C4493/US	150.0	1.7	700	6000	.25	9.5	.095	.25	120.00
1C4494/US	160.0	1.6	1000	6500	.25	8.9	.089	.25	128.00
1C4495/US	180.0	1.4	1300	7000	.25	7.9	.079	.25	144.00
1C4496/US	200.0	1.2	1500	8000	.25	7.2	.072	.25	160.00

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Mechanical Dimensions: In Inches (mm)



Bottom side metalization: Ti/Ni/Ag (30kÅ minimum)

Top side metalization: Ti/Al (0.3/30kÅ)

Bottom side is cathode, top side is anode

PART ORDERING INFORMATION

Default part number is Al top, Ag bottom.

Add the following suffix for these metal combinations:

Suffix	Top	Bottom	Part Number
	Al	Ag	1C4464
AG	Al	Au	1C4464AG
BB	Ag	Ag	1C4464BB
BG	Ag	Au	1C4464BG
GG	Au	Au	1C4464GG
GB	Au	Ag	1C4464GB
-R	- Reverse polarity -		1C4464-R

A = Ti (0.3 kA) / Al (25 kA)

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

G = Ti (1.2 kA) / Ni (1.8 kA) / Au (12kA) (**TOP**) / Ti (1.2 kA) / Ni (1.8 kA) / Au (4kA) (**BOTTOM**)

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