

SENSITRON

SEMICONDUCTOR

1N4464 thru 1N4494
1N4464US thru 1N4494US

TECHNICAL DATA DATA SHEET 5080, Rev A

SJ/ SX /SV
SS

Zener 1.5W DIODE

- Ultra-low reverse leakage current
- Zener voltage available from 9.1V to 160V
- Sharp Zener knee
- Metallurgically bonded
- Hermetic, non-cavity glass package
- Lead finish SN63

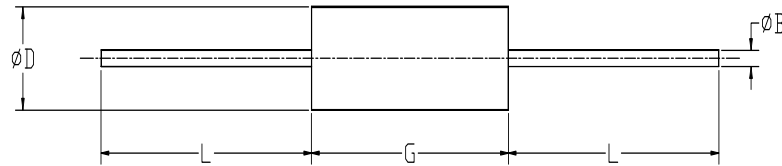
Electrical characteristics – Temperature 25°C unless otherwise noted

Part Number	Nominal Zener Voltage V_Z	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
1N4464/US	9.1	28.0	4	500	0.5	157	1.6	.30	5.46
1N4465/US	10.0	25.0	5	500	.25	143	1.4	.30	8.00
1N4466/US	11.0	23.0	6	550	.25	130	1.3	.30	8.80
1N4467/US	12.0	21.0	7	550	.25	119	1.2	.20	9.60
1N4468/US	13.0	19.0	8	550	.25	110	1.1	.05	10.40
1N4469/US	15.0	17.0	9	600	.25	95	.95	.05	12.00
1N4470/US	16.0	15.5	10	600	.25	90	.90	.05	12.80
1N4471/US	18.0	14.0	11	650	.25	79	.79	.05	14.40
1N4472/US	20.0	12.5	12	650	.25	71	.71	.05	16.00
1N4473/US	22.0	11.5	14	650	.25	65	.65	.05	17.60
1N4474/US	24.0	10.5	16	700	.25	60	.60	.05	19.20
1N4475/US	27.0	9.5	18	700	.25	53	.53	.05	21.60
1N4476/US	30.0	8.5	20	750	.25	48	.48	.05	24.00
1N4477/US	33.0	7.5	25	800	.25	43	.43	.05	26.40
1N4478/US	36.0	7.0	27	850	.25	40	.40	.05	28.80
1N4479/US	39.0	6.5	30	900	.25	37	.37	.05	31.20
1N4480/US	43.0	6.0	40	950	.25	33	.33	.05	34.40
1N4481/US	47.0	5.5	50	1000	.25	30	.30	.05	37.60
1N4482/US	51.0	5.0	60	1100	.25	28	.28	.05	40.80
1N4483/US	56.0	4.5	70	1300	.25	26	.26	.25	44.80
1N4484/US	62.0	4.0	80	1500	.25	23	.23	.25	49.60
1N4485/US	68.0	3.7	100	1700	.25	21	.21	.25	54.40
1N4486/US	75.0	3.3	130	2000	.25	19	.19	.25	60.40
1N4487/US	82.0	3.0	160	2500	.25	17	.17	.25	65.60
1N4488/US	91.0	2.8	200	3000	.25	16	.16	.25	72.80
1N4489/US	100.0	2.5	250	3100	.25	14	.14	.25	80.00
1N4490/US	110.0	2.0	300	4000	.25	13	.13	.25	88.00
1N4491/US	120.0	2.0	400	4500	.25	12	.12	.25	96.00
1N4492/US	130.0	1.9	500	5000	.25	11	.11	.25	104.00
1N4493/US	150.0	1.7	700	6000	.25	9.5	.095	.25	120.00
1N4494/US	160.0	1.6	1000	6500	.25	8.9	.089	.25	128.00

* D_c $T_A = +150^\circ C$ I_{R2}

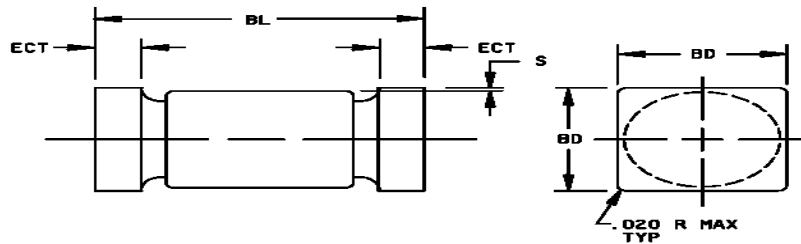
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TECHNICAL DATA
DATA SHEET 5080, Rev A



1N4464 thru 1N4494

PACKAGE STYLE	DIMENSIONS - INCHES (MILLIMETERS)			
	ϕB	ϕD	G	L
Similar to DO-41	.028/.032	.060/.085	.106/.160	.80/1.30
	0.71/0.81	1.52/2.16	2.69/4.06	20.32/33.02



1N4464US thru 1N4494US

PACKAGE STYLE	DIMENSIONS - INCHES (MILLIMETERS)			
	BL	BD	S	ECT
MELF	.168/.200	.091/.103	0.003 Min	.019/.028
	4.28/5.08	2.31/2.62	0.008min	0.48/0.71

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