TECHNICAL DATA
DATA SHEET 5070, REV. –

SJ
SX
SV

Zener 5W Voltage Regulator

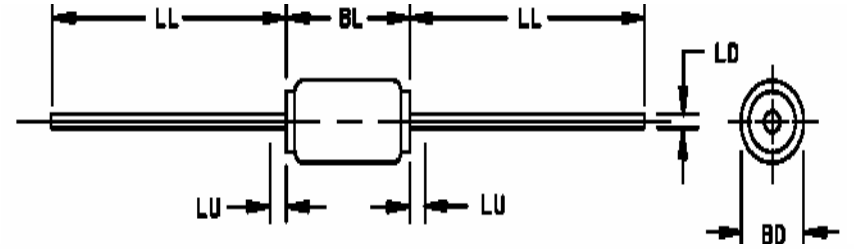
- Hermetic, non-cavity glass package
- Metallurgically bonded
- Operating and Storage Temperature: -65°C to +175°C

SERIES TYPE	V_Z NOM	TEST CURRENT I_Z	MAX ZENER IMPEDANCE		VOLTAGE REGULATION V_Z	SURGE CURRENT I_{ZSM}	MAX REVERSE LEAKAGE CURRENT VOLTAGE		TEMP. COEFF αV_Z	MAX CONTINUOUS CURRENT I_{ZM}
			Z_Z	Z_{ZK}			V_R	I_{R1}		
5W	V	mA	Ω	Ω	V	A	V	µA	% /°C	mA
1N4954/US	6.8	175	1	1,000	.7	29.3	5..2	150	.05	700
1N4955/US	7.5	175	1.5	800	.7	26.4	5..7	100	.06	630
1N4956/US	8.2	150	1.5	600	.7	24	6.2	50	.06	580
1N4957/US	9.1	150	2	400	.7	22	6..9	25	.06	520
1N4958/US	10	125	2	125	.8	20	7..6	25	.07	475
1N4959/US	11	125	2.5	130	.8	19	8.4	10	.07	430
1N4960/US	12	100	2.5	140	.8	18	9.1	10	.07	395
1N4961/US	13	100	3	145	.9	16	9.9	10	.08	365
1N4962/US	15	75	3.5	150	1.0	12	11.4	5	.08	315
1N4963/US	16	75	3.5	155	1.1	10	12.2	5	.08	294
1N4964/US	18	65	4	160	1.2	9.0	13.7	5	.085	264
1N4965/US	20	65	4.5	165	1.5	8.0	15.2	2	.085	237
1N4966/US	22	50	5	170	1.8	7.0	16.7	2	.085	216
1N4967/US	24	50	5	175	2.0	6.5	18.2	2	.09	198
1N4968/US	27	50	6	180	2.0	6.0	20.6	2	.09	176
1N4969/US	30	40	8	190	2.5	5.5	22.8	2	.09	158
1N4970/US	33	40	10	200	2.8	5.0	25.1	2	.095	144
1N4971/US	36	30	11	220	3.0	4.5	27.4	2	.095	132
1N4972/US	39	30	14	230	3.0	4.0	29.7	2	.095	122
1N4973/US	43	30	20	240	3.3	3.5	32.7	2	.095	110
1N4974/US	47	25	25	250	3.5	3.2	35.8	2	.095	100
1N4975/US	51	25	27	270	4.0	3.0	38.8	2	.095	92
1N4976/US	56	20	35	320	4.4	2.8	42.6	2	.095	84
1N4977/US	62	20	42	400	5.0	2.5	47.1	2	.100	76
1N4978/US	68	20	50	500	5.5	2.2	51.7	2	.100	70
1N4979/US	75	20	55	620	6.0	2.0	56	2	.100	63
1N4980/US	82	15	80	720	6.6	1.8	62.2	2	.100	58.0
1N4981/US	91	15	90	760	7.5	1.6	69.2	2	.100	52.5
1N4982/US	100	12	110	800	8.0	1.4	76.0	2	.100	47.5
1N4983/US	110	12	125	1,000	9.0	1.2	83.6	2	.100	43.0
1N4984/US	120	10	170	1,150	10	1.0	91.2	2	.100	39.5
1N4985/US	130	10	190	1,250	11	.8	98.8	2	.105	36.6
1N4986/US	150	8	330	1,500	13	.75	114.0	2	.105	31.6
1N4987/US	160	8	350	1,650	14	.70	121.6	2	.105	29.4
1N4988/US	180	5	450	1,750	16	.60	136.8	2	.110	26.4
1N4989/US	200	5	500	1,850	18	.50	152.0	2	.110	23.6
1N4990/US	220	5	550	2,000	19	.50	167	2	.115	21.6
1N4991/US	240	5	650	2,050	22	.40	182	2	.115	19.8
1N4992/US	270	5	800	2,100	25	.35	206	2	.120	17.5
1N4993/US	300	4	950	2,150	28	.30	228	2	.120	15.6
1N4994/US	330	4	1175	2,200	32	.25	251	2	.120	14.4
1N4995/US	360	3	1400	2,300	35	.22	274	2	.120	13
1N4996/US	390	3	1800	2,500	40	.20	297	2	.120	12

SENSITRON SEMICONDUCTOR

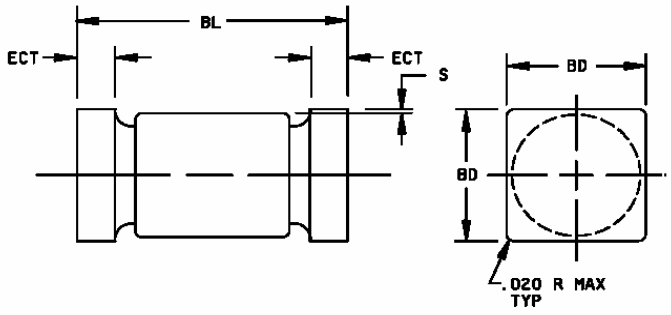
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MECHANICAL DIMENSIONS
Zener 5W Package, AXIAL Version
In Inches / mm



Dimensions					
Ltr	Inches		Millimeters		Notes
	Min	Max			
BL	.130	.300	3.30	4.95	
BD	.090	.145	2.92	4.70	
LL	1.00	1.300	25.40	33.02	
LU		.050		1.27	4
LD	.037	.043	0.94	1.89	3

MECHANICAL DIMENSIONS
Zener 5W Package, MELF (/US version)
In Inches / mm



Dimensions				
Ltr	Inches		Millimeters	
	Min	Max	Min	Max
BL	.200	.225	5.08	5.72
ECT	.019	.028	0.48	0.71
S	.003	- - -	0.08	- - -
BD	.137	.148	3.48	3.76

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