

# **SENSITRON** **SEMICONDUCTOR**

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## TECHNICAL DATA DATASHEET 5095, Rev A

### Zener 1.5W DIODE

- Zener voltage available from 12V to 100V
- Sharp Zener knee
- Metallurgically bonded

Type Number	Nominal Zener Voltage	Zener Test Current	Max Zener Impedance	Max Zener Current	Max Reverse Leakage Current	
	Vz Nominal	Ir	Zzt	Izsm	Ir	Vr
	Volts	µA dc	ohms	mA	µA dc	Volts
1N4106-1/UR -1	12.0	5.0	200	540	0.05	9.2
1N4107-1/UR -1	13.0	5.0	200	500	0.05	9.9
1N4108-1/UR -1	14.0	5.0	200	464	0.05	10.7
1N4109-1/UR -1	15.0	5.0	100	433	0.05	11.4
1N4110-1/UR -1	16.0	5.0	100	406	0.05	12.2
1N4111-1/UR -1	17.0	5.0	100	382	0.05	13.0
1N4112-1/UR -1	18.0	5.0	100	361	0.05	13.7
1N4113-1/UR -1	19.0	2.5	150	342	0.05	14.5
1N4114-1/UR -1	20.0	2.5	150	325	0.01	15.2
1N4115-1/UR -1	22.0	2.5	150	295	0.01	16.8
1N4116-1/UR -1	24.0	2.5	150	271	0.01	18.3
1N4117-1/UR -1	25.0	2.5	150	260	0.01	19.0
1N4118-1/UR -1	27.0	2.5	150	240	0.01	20.5
1N4119-1/UR -1	28.0	2.5	200	232	0.01	21.3
1N4120-1/UR -1	30.0	2.5	200	216	0.01	22.8
1N4121-1/UR -1	33.0	2.5	200	197	0.01	25.1
1N4122-1/UR -1	36.0	2.5	200	180	0.01	27.4
1N4123-1/UR -1	39.0	2.5	200	166	0.01	29.7
1N4124-1/UR -1	43.0	2.5	250	151	0.01	32.7
1N4125-1/UR -1	47.0	4.0	250	138	0.01	35.8
1N4126-1/UR -1	51.0	5.0	300	127	0.01	38.8
1N4127-1/UR -1	56.0	5.0	300	116	0.01	42.6
1N4128-1/UR -1	60.0	5.0	400	108	0.01	45.6
1N4129-1/UR -1	62.0	5.0	500	105	0.01	47.1
1N4130-1/UR -1	68.0	7.0	700	95	0.01	51.7
1N4131-1/UR -1	75.0	7.0	700	86	0.01	57.0
1N4132-1/UR -1	82.0	8.0	800	79	0.01	62.4
1N4133-1/UR -1	87.0	8.0	1,000	75	0.01	66.2
1N4134-1/UR -1	91.0	10.0	1,200	71	0.01	69.2
1N4135-1/UR -1	100.0	10.0	1,600	65	0.01	76.0

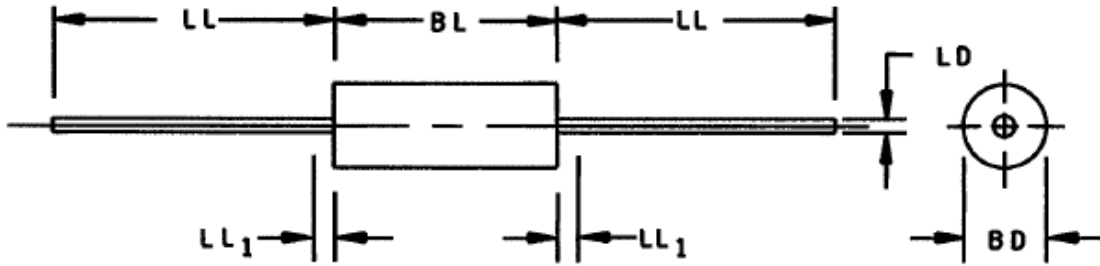
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1N4106-1/ UR-1 to 1N4135-1/UR-1

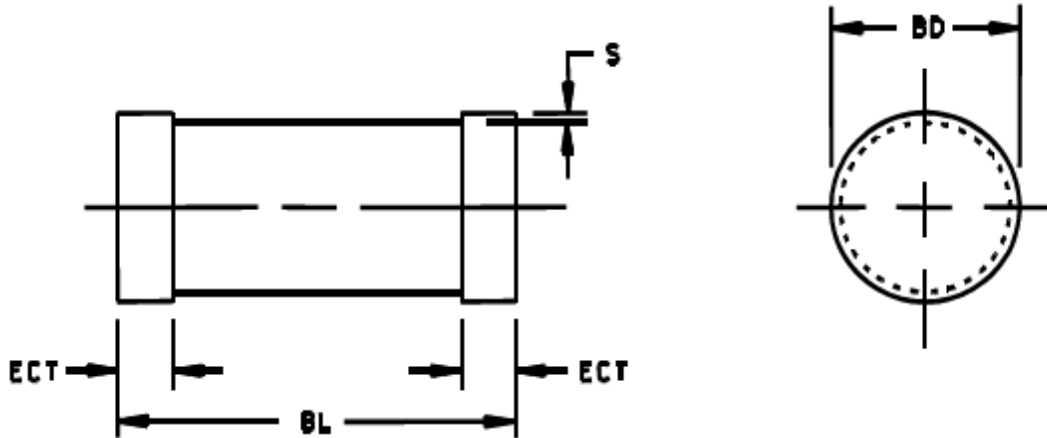
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Dimensions in inches (mm)



Ltr	Dimensions				Notes
	Inches		Millimeters		
	Min	Max	Min	Max	
BD	.055	.107	1.40	2.72	3
BL	.120	.300	3.05	7.62	3
LD	.018	.022	0.46	0.56	
LL	1.000	1.500	25.40	38.10	
LL <sub>1</sub>		.050		1.27	4



Symbol	Dimensions			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	.063	.067	1.60	1.70
ECT	.016	.022	0.41	0.56
BL	.130	.146	3.30	3.71
S	.001 min		0.03 min	

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