SENSITRON SEMICONDUCTOR

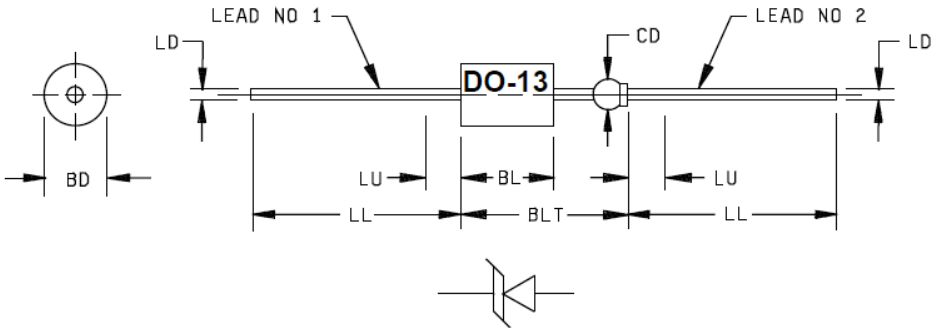
1N5555, 1N5556, 1N5557, 1N5635A thru 1N5661A

1500W Transient Voltage Suppressor Diodes

TECHNICAL DATA
DATA SHEET 5501, REV. A

SERIES TYPE	MIN BREAKDOWN VOLTAGE $V_{(BR)}$ @ $I_{(BR)}$		WORKING PEAK REVERSE VOLTAGE VRWM	MAXIMUM STANDBY CURRENT I_D	MAX. CLAMP. VOLTAGE VC @ I_{PP} tp = 1ms	MAX. PEAK PULSE CURRENT tp = 1ms, tr = 10µs I_{PP}	MAX. TEMP. COEFFICIENT $V_{(BR)}$
1500W	Vdc	mA dc	Vdc	µAdc	V(pk)	A(pk)	% / °C
1N5557	54.00	1	49.00	5	78.5	19.0	.096
1N5652A	58.90	1	53.00	5	85.0	17.7	.104
1N5653A	64.60	1	58.10	5	92.0	16.3	.104
1N5654A	71.30	1	64.10	5	103.0	14.6	.105
1N5655A	77.90	1	70.10	5	113.0	13.3	.105
1N5656A	86.50	1	77.80	5	125.0	12.0	.106
1N5657A	95.00	1	85.50	5	137.0	11.0	.106
1N5658A	105.00	1	94.00	5	152.0	9.9	.107
1N5659A	114.00	1	102.00	5	165.0	9.1	.107
1N5660A	124.00	1	111.00	5	179.0	8.4	.107
1N5661A	143.00	1	128.00	5	207.0	7.2	.108

PACKAGE DIMENSIONS (inches/mm)



Symbol	Dimensions				Notes
	Inches		Millimeters		
	Min	Max	Min	Max	
BD	.215	.235	5.46	5.97	
BL	.293	.357	7.44	9.07	3
BLT		.570		14.48	
CD	.045	.100	1.14	2.54	5
LD	.025	.035	0.64	0.89	
LL	1.000	1.625	25.40	41.28	4
LU		.188		4.78	4

NOTES:
1. Dimensions are in inches.
2. Millimeters are given for general information only.
3. The major diameter is essentially constant along its length.
4. Within this zone, diameter may vary to allow for lead finishes and irregularities.
5. Dimension to allow for pinch or seal deformation anywhere along tubulation.
6. Lead 1 (cathode) shall be electrically connected to the case.
7. In accordance with ASME Y14.5M, diameters are equivalent to Φx symbology.

PKG: DO-13

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Phone (631) 586 7600 Fax (631) 242 9798 • www.sensitron.com • sales@sensitron.com

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PART ORDERING INFORMATION

The following part numbers can be screened and tested to the military screening flow. The parts are marked in accordance with the testing performed, example:

Sensitron Screening Level	*Part Number-- Leaded Package (example for 1N5555)
1N	1N5555
JAN	JAN1N5555
JANTX	JANTX1N5555
JANTXV	JANTXV1N5555

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