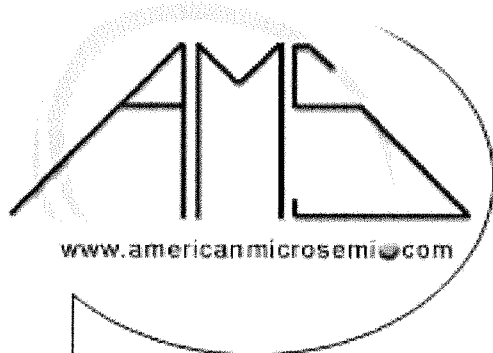




AMERICAN MICROSEMICONDUCTOR INC.

P. O. Box 104
Madison, New Jersey 07940 U.S.A.
<http://www.americanmicrosemi.com>
email:sales@americanmicrosemi.com
Phone: (973) 377-9566 Fax: (973) 377-3078

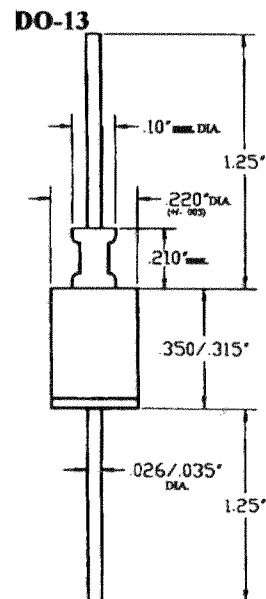
FEATURES:

- DO-13 PACKAGE - GLASS TO METAL HERMETICALLY SEALED
- POSITIVE TERMINAL MARKED WITH BAND
- STANDARD POLARITY - CATHODE TO CASE
- MATTE TIN PLATED
- Options for screening in accordance with MIL-PRF-19500 for JAN, JANTX are available.
HJ, HXJ prefixes.

MAXIMUM RATINGS:

15,000 Watts of Peak Pulse Power Dissipation $T_A = @ 25^\circ \text{C}$
Steady State Power Dissipation: 1.0 watts @ $T_J = 75^\circ \text{C}$, Lead Length = 3/8"
clamping (0 volts to BV min): $< 1 \times 10^{-12}$ seconds
Forward Surge Rating : 200 amps, 1/20 second @ 25°C
Forward Voltage Drop 3.5 V max @ 100 amps Peak
Operating and Storage Temperature: -65°C to $+175^\circ \text{C}$

Part Number*	Reverse Stand-off voltage V_R volts	Breakdown Voltage BV @ volts	I_T mA	Maximum clamping volt @ I_{PP} (1mSec) V_c Volts	Maximum Reverse Leakage $I_R @ V_R$ μA	Maximum Peak Pulse Current I_{PP} A	Max. Volt. Var of BV mV/ C
1N5629A	5.80	6.8	10	10.5	1000	143	.057
1N5630A	6.40	7.0	10	11.3	500	132	.061
1N5631A	7.02	8.2	10	12.1	200	124	.065
1N5632A	7.78	9.1	1	13.4	50	112	.068
1N5633A	8.55	10.0	1	14.5	10	103	.073
1N5634A	9.40	11.0	1	15.6	5	96	.075
1N5635A	10.2	12.0	1	16.7	5	90	.078
1N5636A	11.1	13.0	1	18.2	5	82	.081
1N5637A	12.8	15.0	1	21.2	5	71	.084
1N5638A	13.6	16.0	1	22.5	5	67	.086
1N5639A	15.3	18.0	1	25.2	5	59.5	.088
1N5640A	17.1	20.0	1	27.7	5	54	.090
1N5641A	18.8	22.0	1	30.6	5	49	.092
1N5642A	20.5	24.0	1	33.2	5	45	.094
1N5643A	23.1	27.0	1	37.5	5	40	.096
1N5644A	25.6	30.0	1	41.4	5	36	.097
1N5645A	28.2	33.0	1	45.7	5	33	.098
1N5646A	30.8	36.0	1	49.9	5	30	.099
1N5647A	33.3	39.0	1	53.9	5	28	.100
1N5648A	36.8	43.0	1	59.3	5	25.3	.101
1N5649A	40.2	47.0	1	64.8	5	23.2	.101
1N5650A	43.6	51.1	1	70.1	5	21.4	.102
1N5651A	47.8	56.0	1	77.0	5	19.5	.103
1N5652A	53.0	62.0	1	85.0	5	17.7	.104
1N5653A	58.1	68.0	1	92.0	5	16.3	.104
1N5654A	64.1	75.1	1	103.0	5	14.6	.105
1N5655A	70.1	82.0	1	113.0	5	13.3	.105
1N5656A	77.8	91.0	1	125.0	5	12.0	.106
1N5657A	85.5	100.0	1	137.0	5	11.0	.106
1N5658A	94.0	110.5	1	152.0	5	9.9	.107
1N5659A	102.0	120.0	1	165.0	5	9.1	.107
1N5660A	111.0	130.5	1	179.0	5	8.4	.107
1N5661A	128.0	150.5	1	207.0	5	7.2	.108
1N5662A	136.0	160.0	1	219.0	5	6.8	.108
1N5663A	145.0	170.5	1	234.0	5	6.4	.108
1N5664A	154.0	180.0	1	246.0	5	6.1	.108
1N5665A	171.0	200.0	1	274.0	5	5.5	.108



*Suffix 'A' indicates $\pm 5\%$ tolerance

No Suffix indicates $\pm 10\%$ tolerance