

Bi-directional Transient Voltage Suppressor Diode, 500W

Qualified per MIL-PRF-19500/516

✓ FEATURES / BENEFITS

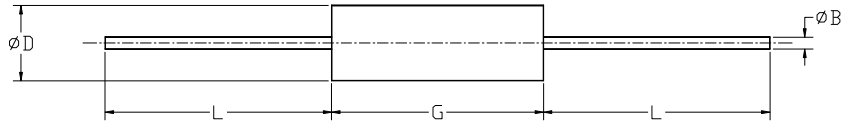
- ✓ Hermetic, non-cavity glass package
- ✓ Category I metallurgically bonded
- ✓ All devices are 100% hot solder dipped
- ✓ JAN/JANTX/JANTXV/JANS available per MIL-PRF-19500/516
- ✓ Operating and storage temperature: -55°C to +175°C

ELECTRICAL CHARACTERISTICS

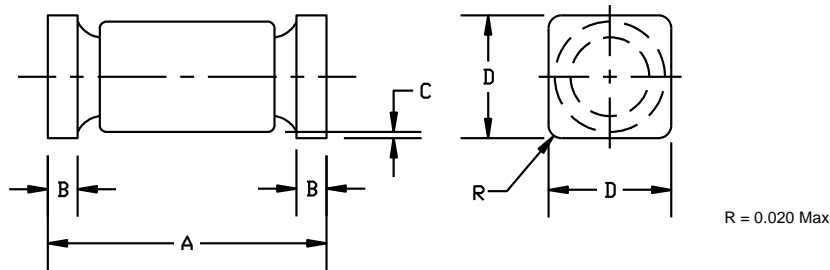
SERIES TYPE	MIN BREAKDOWN VOLTAGE $V_{(BR)} @ I_{(BR)}$		WORKING PEAK REVERSE VOLTAGE VRWM	MAXIMUM REVERSE CURRENT I_{R1}	MAX. CLAMP. VOLTAGE $V_c @ I_P$ tp = 1ms	MAX. PEAK PULSE CURRENT I_P	MAX. TEMP. COEFFICIENT $V_{(BR)}$
	Vdc	mA dc	Vdc	μ A dc	V(pk)	A(pk)	% / °C
500W							
1N6105A/US	8.65	150	6.9	20	13.4	37.3	.06
1N6106A/US	9.50	125	7.6	20	14.5	34.5	.07
1N6107A/US	10.45	125	8.4	20	15.6	32.0	.07
1N6108A/US	11.40	100	9.1	20	16.9	29.6	.07
1N6109A/US	12.35	100	9.9	20	18.2	27.5	.08
1N6110A/US	14.25	75	11.4	20	21.0	23.8	.08
1N6111A/US	15.20	75	12.2	20	22.3	22.4	.08
1N6112A/US	17.10	65	13.7	1	25.1	19.0	.085
1N6113A/US	19.00	65	15.2	1	27.7	18.0	.085
1N6114A/US	20.9	50	16.7	1	30.5	16.4	.085
1N6115A/US	22.8	50	18.2	1	33.3	15.0	.09
1N6116A/US	25.7	50	20.6	1	37.4	13.4	.09
1N6117A/US	28.5	40	22.8	1	41.6	12.0	.09
1N6118A/US	31.4	40	25.1	1	45.7	10.9	.095
1N6119A/US	34.2	30	27.4	1	49.9	10.0	.095
1N6120A/US	37.1	30	29.7	1	53.6	9.3	.095
1N6121A/US	40.9	30	32.7	1	59.1	8.5	.095
1N6122A/US	44.7	25	35.8	1	64.6	7.7	.095
1N6123A/US	48.5	25	38.8	1	70.1	7.1	.095
1N6124A/US	53.2	20	42.6	1	77.0	6.5	.095
1N6125A/US	58.9	20	47.1	1	85.3	5.9	.100
1N6126A/US	64.6	20	51.7	1	97.1	5.1	.100
1N6127A/US	71.3	20	56.0	1	103.1	4.8	.100
1N6128A/US	77.9	15	62.2	1	112.8	4.4	.100
1N6129A/US	86.5	15	69.2	1	125.1	4.0	.100
1N6130A/US	95.0	12	76.0	1	137.6	3.6	.100
1N6131A/US	104.5	12	83.6	1	151.3	3.3	.100
1N6132A/US	114.0	10	91.2	1	165.1	3.0	.100
1N6133A/US	123.5	10	98.8	1	178.8	2.8	.105
1N6134A/US	142.5	8.0	114.0	1	206.3	2.4	.105
1N6135A/US	152	8.0	121.6	1	218.4	2.3	.105
1N6136A/US	171	5.0	136.8	1	245.7	2.0	.110
1N6137A/US	190	5.0	152.0	1	273.0	1.8	.110

TECHNICAL DATA
DATA SHEET 5074, REV. D.3

MECHANICAL DIMENSIONS In Inches / (mm)



PACKAGE STYLE	ϕB	ϕD	G	L
AXIAL	.026/.033 .66/.84	.085/.140 2.16/3.56	.140/.185 3.56/4.70	1.00/1.30 25.4/33.02



STYLE	A	B	C	D
MELF	.200/.225 5.08/5.72	.019/.028 .48/.71	.003MIN .08MIN	.137/.148 3.48/3.76

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 1N6108A)	Part Number- Surface Mount Package (example for 1N6108AUS)
1N	1N6108A	1N6108AUS
JAN	JAN1N6108A	JAN1N6108AUS
JANTX	JANTX1N6108A	JANTX1N6108AUS
JANTXV	JANTXV1N6108A	JANTXV1N6108AUS
JANS	JANS1N6108A	JANS1N6108AUS

*Parts can also be ordered Tape & Reel

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