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REV.	DESCRIPTION		DATE	APPROVED
1	SEE SHEET ONE	AK	5/24/06	SH

	BREAKDOWN VOLTAGE V_{BR} (VOLTS) (NOTE 1)		@ IT (mA)	WORKING PEAK REVERSE VOLTAGE V_{RWM} (VOLTS)	MAXIMUM REVERSE LEAKAGE @ V_{RWM} I_R (uA)	MAXIMUM REVERSE SURGE CURRENT I_{RSM} (NOTE 2) (AMPS)	MAXIMUM REVERSE VOLTAGE @ I_{RSM} (CLAMPING VOLTAGE) V_{RSM} (VOLTS)	MAXIMUM TEMPERATURE COEFFFECIENT OF V_{BR} (%/?C) V_{RSM} (VOLTS)
	MIN.	MAX.						
6.8	6.12	7.48	10	5.50	1000	139	10.8	0.057
6.8A	6.45	7.14	10	5.80	1000	143	10.5	0.057
7.5	6.75	8.25	10	6.05	500	128	11.7	0.061
7.5A	7.13	7.88	10	6.40	500	132	11.3	0.061
8.2	7.38	9.02	10	6.63	200	120	12.5	0.065
8.2A	7.79	8.0	10	7.02	200	124	12.1	0.065
9.1	8.19	10.0	1.0	7.37	50	109	13.8	0.068
9.1A	8.65	9.55	1.0	7.78	50	112	13.4	0.068
10	9.00	11.0	1.0	8.10	10	100	15.0	0.073
10A	9.50	10.5	1.0	8.55	10	103	14.5	0.073
11	9.90	12.1	1.0	8.92	5.0	93.0	16.2	0.075
11A	10.5	11.6	1.0	9.40	5.0	96.0	15.6	0.075
12	10.8	13.2	1.0	9.72	5.0	87.0	17.3	0.076
12A	11.4	12.6	1.0	10.2	5.0	90.0	16.7	0.078
13	11.7	14.3	1.0	10.5	5.0	79.0	19.0	0.081
13A	12.4	13.7	1.0	11.1	5.0	82.0	18.2	0.061
15	13.5	16.5	1.0	12.1	5.0	68.0	22.0	0.084
15A	14.3	15.8	1.0	12.8	5.0	71.0	21.2	0.084
16	14.4	17.6	1.0	12.9	5.0	64.0	23.5	0.066
16A	15.2	16.8	1.0	13.6	5.0	67.0	22.5	0.066
18	16.2	19.8	1.0	14.5	5.0	56.5	26.5	0.068
18A	17.1	18.9	1.0	15.3	5.0	59.5	26.2	0.089
20	18.0	22.0	1.0	16.2	5.0	51.5	29.1	0.090
20A	19.0	21.0	1.0	17.1	5.0	54.0	27.7	0.090
22	19.8	24.2	1.0	17.8	5.0	47.0	31.9	0.092
22A	20.9	23.1	1.0	18.8	5.0	49.0	30.6	0.092
24	21.6	26.4	1.0	19.4	5.0	43.0	34.7	0.094
24A	22.8	25.2	1.0	20.5	5.0	45.0	33.2	0.094
27	24.3	29.7	1.0	21.8	5.0	38.5	39.1	0.096
27A	25.7	28.4	1.0	23.1	5.0	40.0	37.5	0.096
30	27.0	33.0	1.0	24.3	5.0	34.5	43.5	0.097
30A	28.5	31.5	1.0	25.6	5.0	36.0	41.4	0.097
33	29.7	36.3	1.0	26.8	5.0	31.5	47.7	0.098
33A	31.4	34.7	1.0	28.2	5.0	33.0	45.7	0.098
36	32.4	39.6	1.0	29.1	5.0	29.0	52.0	0.099
36A	34.2	37.8	1.0	30.8	5.0	30.0	49.9	0.099
39	35.1	42.9	1.0	31.6	5.0	26.5	56.4	0.100
39A	37.1	41.0	1.0	33.3	5.0	28.0	53.9	0.100
43	38.7	47.3	1.0	34.8	5.0	24.0	61.9	0.101
43A	40.9	45.2	1.0	36.8	5.0	25.3	59.3	0.101
47	42.3	51.7	1.0	36.1	5.0	22.2	67.8	0.101
47A	44.7	49.4	1.0	40.2	5.0	23.2	64.8	0.101

	BREAKDOWN VOLTAGE V_{BR} (VOLTS) (NOTE 1)		@ IT (mA)	WORKING PEAK REVERSE VOLTAGE V_{RWM} (VOLTS)	MAXIMUM REVERSE LEAKAGE @ V_{RWM} I_R (uA)	MAXIMUM REVERSE SURGE CURRENT I_{RSM} (NOTE 2) (AMPS)	MAXIMUM REVERSE VOLTAGE @ I_{RSM} (CLAMPING VOLTAGE) V_{RSM} (VOLTS)	MAXIMUM TEMPERATURE COEFFFECIENT OF V_{BR} (%/?C) V_{RSM} (VOLTS)
	MIN.	MAX.						
51	45.9	56.1	1.0	41.3	5.0	20.4	73.5	0.102
51A	48.5	53.6	1.0	43.6	5.0	21.4	70.1	0.102
56	50.4	61.8	1.0	45.4	5.0	18.6	80.5	0.103
56A	53.2	58.8	1.0	47.8	5.0	19.5	77.0	0.103
62	55.8	68.2	1.0	50.2	5.0	16.9	89.0	0.104
62A	58.9	65.1	1.0	53.0	5.0	17.7	85.0	0.104
68	61.2	74.8	1.0	55.1	5.0	15.3	98.0	0.104
68A	64.6	71.4	1.0	58.1	5.0	16.3	92.0	0.104
75	67.5	82.5	1.0	60.7	5.0	13.9	108.9	0.105
75A	71.3	78.8	1.0	64.1	5.0	14.6	103.9	0.105
82	73.8	90.2	1.0	66.4	5.0	12.7	118.0	0.105
82A	77.9	86.1	1.0	70.1	5.0	13.3	113.0	0.105
91	81.9	100.0	1.0	73.7	5.0	11.4	131.0	0.106
91A	86.5	95.50	1.0	77.8	5.0	12.0	125.0	0.106
100	90.0	110.0	1.0	81.0	5.0	10.4	144.0	0.106
100A	95.0	105.0	1.0	85.5	5.0	11.0	137.0	0.106
110	99.0	121.0	1.0	89.2	5.0	9.5	158.0	0.107
110A	106.0	116.0	1.0	94.0	5.0	9.9	152.0	0.107
120	108.0	132.0	1.0	97.2	5.0	8.7	173.0	0.107
120A	114.0	126.0	1.0	102.0	5.0	9.1	165.0	0.107
130	117.0	143.0	1.0	106.0	5.0	8.0	187.0	0.107
130A	124.0	137.0	1.0	111.0	5.0	8.4	179.0	0.107
150	136.0	165.0	1.0	121.0	5.0	7.0	215.0	0.108
150A	143.0	158.0	1.0	128.0	5.0	7.2	207.0	0.106
160	144.0	176.0	1.0	130.0	5.0	6.5	230.0	0.106
160A	152.0	168.0	1.0	136.0	5.0	6.8	219.0	0.108
170	153.0	167.0	1.0	138.0	5.0	6.2	244.0	0.108
170A	162.0	179.0	1.0	145.0	5.0	6.4	234.0	0.108
180	162.0	198.0	1.0	146.0	5.0	5.8	258.0	0.108
180A	171.0	189.0	1.0	154.0	5.0	6.1	246.0	0.108
200	180.0	220.0	1.0	162.0	5.0	5.2	287.0	0.108
200A	190.0	210.0	1.0	171.0	5.0	5.5	274.0	0.108
220	196.0	242.0	1.0	175.0	5.0	4.3	344.0	0.108
220A	209.0	231.0	1.0	185.0	5.0	4.6	328.0	0.108
250	225.0	275.0	1.0	202.0	5.0	5.0	360.0	0.110
250A	237.0	263.0	1.0	214.0	5.0	5.0	344.0	0.110
300	270.0	330.0	1.0	243.0	5.0	5.0	430.0	0.110
300A	285.0	315.0	1.0	256.0	5.0	5.0	414.0	0.110
350	315.0	385.0	1.0	284.0	5.0	4.0	504.0	0.110
350A	333.0	368.0	1.0	300.0	5.0	4.0	482.0	0.110
400	360.0	440.0	1.0	324.0	5.0	4.0	574.0	0.110
400A	380.0	420.0	1.0	342.0	5.0		548.0	0.110

DRAWN BY	DATE
G.C.KEAY	8/8/05

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES-
TOLERANCES ARE:
FRACTIONS ±1/64 DECIMALS .XX= ±.01 .XXX=±.005 ANGLES ±1°

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

VICOR

DIODE TRANSORB XXXV
1.5 KW DO201

SIZE	FSCM NO.	DWG NO	REV
B	67131	30262-XXX	1

SCALE NONE SHEET 2 OF 2

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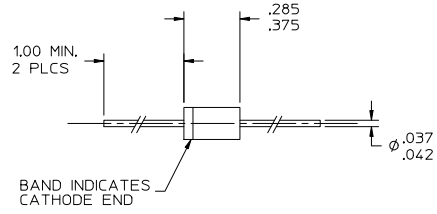
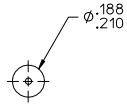
REV.	DESCRIPTION		DATE	APPROVED
1	RELEASED PER E060754	AK	5/24/06	SH





MAXIMUM RATINGS AND CHARACTERISTICS

RATING	SYMBOL	VALUE	UNITS
PEAK POWER DISSIPATION AT T_A=25°C, Tp=1ms	P_{pk}	MINIMUM 1500	WATTS
STEADY STATE POWER DISSIPATION AT T_L=75°C, LEAD LENGTHS .375"	PD	5.0	WATTS
PEAK FORWARD SURGE CURRENT, 8.3ms SINGLE HALF SINE-WAVE SUPERIMPOSED ON RATED LOAD.	IFSM	200	AMPS
OPERATING AND STORAGE TEMPERATURE RANGE	T_j, T_{stg}	-65 TO +175	°C

NOTES:

1. FOR MATERIAL SPECIFICATIONS AND RESTRICTION ON HAZARDOUS SUBSTANCE (RoHS) REQUIREMENTS, CONFORMANCE TO CST-0001, LATEST REVISION.
2. SHT 2 OF 2 LISTS COMPONENT VOLTAGE & TOLERANCE. VOLTAGE FOLLOWED BY THE LETTER "A" INDICATES A TOLERANCE OF 5%. WITHOUT "A" TOLERANCE IS 10%. EXAMPLE: 130A IS EQUIVALENT TO 130V +/- 5%.
3. DO-201 PACKAGE.
4. UNI-DIRECTIONAL DIODE.

DRAWN BY	DATE
G.C. KEAY	8/8/05

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TOLERANCES ARE:
FRACTIONS ±1/64 DECIMALS .XX= ±.01 .XXX=±.005 ANGLES ±1°

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DIODE TRANSORB XXXV
1.5 KW DO-201

SIZE	FSCM NO.	DWG NO	REV
B	67131	30262-XXX	1

SCALE NONE SHEET 1 OF 2