

### 1500 Watt Transient Voltage Suppressor Uni-Directional Diodes (5.6 to 54.0Volts)

SERIES TYPE	BREAKDOWN VOLTAGE $V_{(BR)}$ AT $I_{(BR)}$	TEST CURRENT $I_{(BR)}$	WORKING PEAK REVERSE VOLTAGE $V_{RWM}$	MAXIMUM REVERSE CURRENT $I_{R1}$	MAXIMUM CLAMPING VOLTAGE $V_C$ (MAX) @ $I_{PP}$ $T_P = 1ms$	MAXIMUM PEAK PULSE CURRENT $I_{PP}$ $T_P = 1ms$	MAXIMUM PEAK PULSE CURRENT $I_{PP}$ $T_P = 20 \mu s$	MAXIMUM TEMP. COEFF. OF $V_{(BR)}$ $\alpha V_{(BR)}$
1500W	Min. V dc	mA dc	V dc	$\mu A$ dc	V (pk)	A (pk)	A (pk)	% /°C
1N6469	5.6	50	5	5000	9.0	167	945	0.040
1N6470	6.5	50	6	5000	11.0	137	775	0.040
1N6471	13.6	10	12	1000	22.6	66	374	0.050
1N6472	16.4	10	15	1000	26.5	57	322	0.060
1N6473	27.0	5	24	100	41.4	36.5	206	0.084
1N6474	33.0	1	30.5	5	47.5	32	190	0.093
1N6475	43.7	1	40.3	5	63.5	24	136	0.094
1N6476	54.0	1	51.6	5	78.5	19	106	0.096

**1500 Watt Transient Voltage Suppressor Uni-Directional Diodes**  
(6.12 to 210.0Volts)

SERIES TYPE	BREAKDOWN VOLTAGE V <sub>(avg)</sub> AT I <sub>(avg)</sub>	TEST CURRENT I <sub>(avg)</sub>	WORKING PEAK REVERSE VOLTAGE V <sub>RWM</sub>	MAXIMUM REVERSE CURRENT I <sub>r</sub>	MAXIMUM CLAMPING VOLTAGE V <sub>c</sub> (MAX) @ I <sub>pp</sub> T <sub>p</sub> = 1ms	MAXIMUM PEAK PULSE CURRENT I <sub>pp</sub> T <sub>p</sub> = 1ms	MAXIMUM TEMP. COEFF. OF V <sub>(avg)</sub> @ V <sub>(avg)</sub>
1500W	Min. V <sub>dc</sub>	mA dc	V dc	µA dc	V (pk)	A (pk)	% /°C
1N6267	6.12-7.48	10	5.50	1000	10.8	139	.057
1N6267A	6.45-7.14	10	5.80	1000	10.5	143	.057
1N6268	6.75-8.25	10	6.05	500	11.7	128	.061
1N6268A	7.13-7.88	10	6.40	500	11.3	132	.061
1N6269	7.38-9.02	10	6.63	200	12.5	120	.065
1N6269A	7.79-8.61	10	7.02	200	12.1	124	.065
1N6270	8.19-10.0	1	7.37	50	13.8	109	.068
1N6270A	8.65-9.55	1	7.78	50	13.4	112	.068
1N6271	9.00-11.0	1	8.10	50	15.0	100	.073
1N6271A	9.5-10.5	1	8.55	10	14.5	103	.073
1N6272	9.9-12.1	1	8.92	5	16.2	93	.075
1N6272A	10.5-11.6	1	9.40	5	15.6	96	.075
1N6273	10.8-13.2	1	9.72	5	17.3	87	.078
1N6273A	11.4-12.6	1	10.2	5	16.7	90	.078
1N6274	11.7-14.3	1	10.5	5	19.0	79	.081
1N6274A	12.4-13.7	1	11.1	5	18.2	82	.081
1N6275	13.5-16.5	1	12.1	5	22.0	68	.084
1N6275A	14.3-15.8	1	12.8	5	21.2	71	.084
1N6276	14.4-17.6	1	12.9	5	23.5	64	.086
1N6276A	15.2-16.8	1	13.6	5	22.5	67	.086
1N6277	16.2-19.8	1	14.5	5	26.5	56.5	.088
1N6277A	17.1-18.9	1	15.3	5	25.2	59.5	.088
1N6278	18.0-22.0	1	16.2	5	29.1	51.5	.090
1N6278A	19.0-21.0	1	17.1	5	27.7	54	.090
1N6279	19.8-24.2	1	17.8	5	31.9	47	.092
1N6279A	20.9-23.1	1	18.8	5	30.6	49	.092
1N6280	21.6-26.4	1	19.4	5	34.7	43	.094
1N6280A	22.8-25.2	1	20.5	5	33.2	45	.094
1N6281	24.3-29.7	1	21.8	5	39.1	38.5	.096
1N6281A	25.7-28.4	1	23.1	5	37.5	40	.096

### 1500 Watt Transient Voltage Suppressor Uni-Directional Diodes (6.12 to 210.0Volts)

SERIES TYPE	BREAKDOWN VOLTAGE $V_{(BR)}$ AT $I_{(BR)}$	TEST CURRENT $I_{(BR)}$	WORKING PEAK REVERSE VOLTAGE $V_{RWM}$	MAXIMUM REVERSE CURRENT $I_{R1}$	MAXIMUM CLAMPING VOLTAGE $V_C(MAX)$ @ $I_{PP}$ $T_P = 1ms$	MAXIMUM PEAK PULSE CURRENT $I_{PP}$ $T_P = 1ms$	MAXIMUM TEMP. COEFF. OF $V_{(BR)}$ $\alpha V_{(BR)}$
1500W	Min. V dc	Ma dc	V dc	$\mu A$ dc	V (pk)	A (pk)	% /°C
IN6282	27.0-33.0	1	24.3	5	43.5	34.5	.097
IN6282A	28.5-31.5	1	25.6	5	41.4	36	.097
IN6283	29.7-36.3	1	26.8	5	47.7	31.5	.098
IN6283A	31.4-34.7	1	28.2	5	45.7	33	.098
IN6284	32.4-39.6	1	29.1	5	52.0	29	.099
IN6284A	34.2-37.8	1	30.8	5	49.9	30	.099
IN6285	35.1-42.9	1	31.6	5	56.4	26.5	.100
IN6285A	37.1-41.0	1	33.3	5	53.9	28	.100
IN6286	38.7-47.3	1	34.8	5	61.9	24	.101
IN6286A	40.9-45.2	1	36.8	5	59.3	25.3	.101
IN6287	42.3-51.7	1	38.1	5	67.8	22.2	.101
IN6287A	44.7-49.4	1	40.2	5	64.8	23.2	.101
IN6288	45.9-56.1	1	41.3	5	73.5	20.4	.102
IN6288A	48.5-53.6	1	43.6	5	70.1	21.4	.102
IN6289	50.4-61.6	1	45.4	5	80.5	18.6	.103
IN6289A	53.2-58.8	1	47.8	5	77.0	19.5	.103
IN6290	55.8-68.2	1	50.2	5	89.0	16.9	.104
IN6290A	58.9-65.1	1	53.0	5	85.0	17.7	.104
IN6291	61.2-74.8	1	55.1	5	98.0	15.3	.104
IN6291A	64.6-71.4	1	58.1	5	92.0	16.3	.104
IN6292	67.5-82.5	1	60.7	5	108.0	13.9	.105
IN6292A	71.3-78.8	1	64.1	5	103.0	14.6	.105
IN6293	73.8-90.2	1	66.4	5	118.0	12.7	.105
IN6293A	77.9-86.1	1	70.1	5	113.0	13.3	.105
IN6294	81.9-100.0	1	73.7	5	131.0	11.4	.106
IN6294A	86.5-95.5	1	77.8	5	125.0	12.0	.106
IN6295	90.0-110.0	1	81.0	5	144.0	10.4	.106
IN6295A	95.0-105.0	1	85.5	5	137.0	11.0	.106
IN6296	99.0-121.0	1	89.2	5	158.0	9.5	.107
IN6296A	105.0-116.0	1	94.0	5	152.0	9.9	.107

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SERIES TYPE	BREAKDOWN VOLTAGE $V_{(BR)}$ AT $I_{(BR)}$	TEST CURRENT $I_{(BR)}$	WORKING PEAK REVERSE VOLTAGE $V_{RWM}$	MAXIMUM REVERSE CURRENT $I_{R1}$	MAXIMUM CLAMPING VOLTAGE $V_C$ (MAX) @ $I_{PP}$ $T_P = 1ms$	MAXIMUM PEAK PULSE CURRENT $I_{PP}$ $T_P = 1ms$	MAXIMUM TEMP. COEFF. OF $V_{(BR)}$ $\alpha V_{(BR)}$
1500W	Min. V dc	mA dc	V dc	$\mu A$ dc	V (pk)	A (pk)	% / $^{\circ}C$
IN6297	108.0-132.0	1	97.2	5	173.0	8.7	.107
IN6297A	114.0-126.0	1	102.0	5	165.0	9.1	.107
IN6298	117.0-143.0	1	105.0	5	187.0	8.0	.107
IN6298A	124.0-137.0	1	111.0	5	179.0	8.4	.107
IN6299	135.0-165.0	1	121.0	5	215.0	7.0	.108
IN6299A	143.0-158.0	1	128.0	5	207.0	7.2	.108
IN6300	144.0-176.0	1	130.0	5	230.0	6.5	.108
IN6300A	152.0-168.0	1	136.0	5	219.0	6.9	.108
IN6301	153.0-187.0	1	138.0	5	244.0	6.2	.108
IN6301A	162.0-179.0	1	145.0	5	234.0	6.4	.108
IN6302	162.0-198.0	1	146.0	5	258.0	5.8	.108
IN6302A	171.0-189.0	1	154.0	5	246.0	6.1	.108
IN6303	180.0-220.0	1	162.0	5	287.0	5.2	.108
IN6303A	190.0-210.0	1	171.0	5	274.0	5.5	.108