

Transient Voltage Suppressor Diodes

The plastic material carries U/L recognition 94V-0

1N6267 Series, 1500 W, DO-201AD Plastic Case Outline: 3-

Type	Breakdown Voltage		at I_T (mA)	Working Peak Reverse Voltage V_{RWM} (V)	Maximum Reverse Leakage at V_{RWM} I_R (μ A)	Maximum Reverse Current I_{RSM} (A)	Maximum Clamping Volt. at I_{RSM} (V)	Maximum Temperature Co-efficient of V_{BR} (% $^{\circ}$ C)
	V_{BR} (V) (1)							
Unidirectional	Min.	Max.						
1N6267	6.12	7.48	10	5.50	1000	139	10.8	0.057
1N6267 A	6.45	7.14	10	5.80	1000	143	10.5	0.057
1N6268	6.75	8.25	10	6.05	500	128	11.7	0.061
1N6268 A	7.13	7.88	10	6.40	500	132	11.3	0.061
1N6269	7.38	9.02	10	6.63	200	120	12.5	0.065
1N6269 A	7.79	8.61	10	7.02	200	124	12.1	0.065
1N6270	8.19	10.0	1.0	7.37	50	109	13.8	0.068
1N6270 A	8.65	9.55	1.0	7.78	50	112	13.4	0.068
1N6271	9.00	11.0	1.0	8.10	10	100	15.0	0.073
1N6271 A	9.50	10.5	1.0	8.55	10	103	14.5	0.073
1N6272	9.90	12.1	1.0	8.92	5.0	93.0	16.2	0.075
1N6272 A	10.5	11.6	1.0	9.40	5.0	96.0	15.6	0.075
1N6273	10.8	13.2	1.0	9.72	5.0	87.0	17.3	0.076
1N6273 A	11.4	12.6	1.0	10.2	5.0	90.0	16.7	0.078
1N6274	11.7	14.3	1.0	10.5	5.0	79.0	19.0	0.081
1N6274 A	12.4	13.7	1.0	11.1	5.0	82.0	18.2	0.081
1N6275	13.5	16.5	1.0	12.1	5.0	68.0	22.0	0.084
1N6275 A	14.3	15.8	1.0	12.8	5.0	71.0	21.2	0.084
1N6276	14.4	17.6	1.0	12.9	5.0	64.0	23.5	0.086
1N6276 A	15.2	16.8	1.0	13.6	5.0	67.0	22.5	0.086
1N6277	16.2	19.8	1.0	14.5	5.0	56.5	26.5	0.088
1N6277 A	17.1	18.9	1.0	15.3	5.0	59.5	26.2	0.089
1N6278	18.0	22.0	1.0	16.2	5.0	51.5	29.1	0.090
1N6278 A	19.0	21.0	1.0	17.1	5.0	54.0	27.7	0.090
1N6279	19.8	24.2	1.0	17.8	5.0	47.0	31.9	0.092
1N6279 A	20.9	23.1	1.0	18.8	5.0	49.0	30.6	0.092
1N6280	21.6	26.4	1.0	19.4	5.0	43.0	34.7	0.094
1N6280 A	22.8	25.2	1.0	20.5	5.0	45.0	33.2	0.094
1N6281	24.3	29.7	1.0	21.8	5.0	38.5	39.1	0.096
1N6281 A	25.7	28.4	1.0	23.1	5.0	40.0	37.5	0.096
1N6282	27.0	33.0	1.0	24.3	5.0	34.5	43.5	0.097
1N6282 A	28.5	31.5	1.0	25.6	5.0	36.0	41.4	0.097
1N6283	29.7	36.3	1.0	26.8	5.0	31.5	47.7	0.098
1N6283 A	31.4	34.7	1.0	28.2	5.0	33.0	45.7	0.098
1N6284	32.4	39.6	1.0	29.1	5.0	29.0	52.0	0.099
1N6284 A	34.2	37.8	1.0	30.8	5.0	30.0	49.9	0.099
1N6285	35.1	42.9	1.0	31.6	5.0	26.5	56.4	0.100
1N6285 A	37.1	41.0	1.0	33.3	5.0	28.0	53.9	0.100
1N6286	38.7	47.3	1.0	34.8	5.0	24.0	61.9	0.101
1N6286 A	40.9	45.2	1.0	36.8	5.0	25.3	59.3	0.101
1N6287	42.3	51.7	1.0	38.1	5.0	22.2	67.8	0.101
1N6287 A	44.7	49.4	1.0	40.2	5.0	23.2	64.8	0.101
1N6288	45.9	56.1	1.0	41.3	5.0	20.4	73.5	0.102
1N6288 A	48.5	53.6	1.0	43.6	5.0	21.4	70.1	0.102
1N6289	50.4	61.8	1.0	45.4	5.0	18.6	80.5	0.103
1N6289 A	53.2	58.8	1.0	47.8	5.0	19.5	77.0	0.103
1N6290	55.8	68.2	1.0	50.2	5.0	16.9	89.0	0.104
1N6290 A	58.9	65.1	1.0	53.0	5.0	17.7	85.0	0.104
1N6291	61.2	74.8	1.0	55.1	5.0	15.3	98.0	0.104
1N6291 A	64.6	71.4	1.0	58.1	5.0	16.3	92.0	0.104

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Type	Breakdown Voltage		at I_T (mA)	Working Peak Reverse Voltage V_{RWM} (V)	Maximum Reverse Leakage at V_{RWM} I_R (μ A)	Maximum Reverse Current I_{RSM} (A)	Maximum Clamping Volt. at I_{RSM} (V)	Maximum Temperature Co-efficient of V_{BR} (%C)
	V_{BR} (V) (1)							
Unidirectional	Min.	Max.						
IN6292	87.5	82.5	1.0	60.7	5.0	13.9	108.9	0.105
IN6292 A	71.3	78.8	1.0	64.1	5.0	14.6	103.9	0.105
IN6293	73.8	90.2	1.0	66.4	5.0	12.7	118.0	0.105
IN6293 A	77.9	86.1	1.0	70.1	5.0	13.3	113.0	0.105
IN6294	81.9	100.0	1.0	73.7	5.0	11.4	131.0	0.106
IN6294 A	86.5	95.5	1.0	77.8	5.0	12.0	125.0	0.106
IN6295	90.0	110.0	1.0	81.0	5.0	10.4	144.0	0.106
IN6295 A	95.0	105.0	1.0	85.5	5.0	11.0	137.0	0.106
IN6296	99.0	121.0	1.0	89.2	5.0	9.5	158.0	0.107
IN6296 A	106.0	116.0	1.0	94.5	5.0	9.9	152.0	0.107
IN6297	108.0	132.0	1.0	97.2	5.0	8.7	173.0	0.107
IN6297 A	114.0	126.0	1.0	102.0	5.0	9.1	165.0	0.107
IN6298	117.0	143.0	1.0	106.0	5.0	8.0	187.0	0.107
IN6298 A	124.0	137.0	1.0	111.0	5.0	8.4	179.0	0.107
IN6299	136.0	165.0	1.0	121.0	5.0	7.0	215.0	0.108
IN6299 A	143.0	158.0	1.0	128.0	5.0	7.2	207.0	0.108
IN6300	144.0	176.0	1.0	130.0	5.0	6.5	230.0	0.108
IN6300 A	152.0	168.0	1.0	136.0	5.0	6.8	219.0	0.108
IN6301	153.0	187.0	1.0	138.0	5.0	6.2	244.0	0.108
IN6301 A	162.0	179.0	1.0	145.0	5.0	6.4	234.0	0.108
IN6302	162.0	198.0	1.0	146.0	5.0	5.8	258.0	0.108
IN6302 A	171.0	189.0	1.0	154.0	5.0	6.1	246.0	0.108
IN6303	180.0	220.0	1.0	162.0	5.0	5.2	287.0	0.108
IN6303 A	190.0	210.0	1.0	171.0	5.0	5.5	274.0	0.108

Notes:

- (1) V_{BR} measured after I_T applied for 300 μ s. I_T = Square Wave Pulse or equivalent.
- (2) V_F = 3.5V max., I_F = 100A (IN6267 thru IN6294A)
 V_F = 5.0V max., I_F = 100A (IN6295 thru IN6303A)
PW = 8.3 ms. Duty Cycle = 4 Pulses per Minute Maximum.
- (3) For Bidirectional use C or CA Suffix.
- (4) "A" \pm 5% Tolerance

EDAL

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