

1N3072-1N3168

| TYPE | MATERIAL | REPLACEMENT | PAGE NUMBER | IDENTIFICATION | RECTIFIERS | | | | | ZENER DIODES | | | |
|---------|----------|---------------|-------------|----------------|---------------------------|--|--------------------------|-------------------------|------------------------------|----------------------|------------------------|-------------------------|----------------|
| | | | | | V _R (volts) | V _F (volts) | I _O (Amps) | I _R (mA) | I _{surge} (Amps) | V _Z (min) | V _Z (nom) * | Tol V _Z % | P _D |
| | | | | | SIGNAL DIODES | | | | | REFERENCE DIODES | | | |
| | | | | | PRV (volts) | V _F @ I _F (volts) | I _R | t _{rr} (μs) | TC %/°C | V _Z | T (min) °C | T (max) °C | |
| 1N3072 | S | | | R | 50 | 1.5 | 0.2 | 0.5 | 10 | | | | |
| 1N3073 | S | | | R | 100 | 1.5 | 0.2 | 0.5 | 10 | | | | |
| 1N3074 | S | | | R | 150 | 1.5 | 0.2 | 0.5 | 10 | | | | |
| 1N3075 | S | | | R | 200 | 1.5 | 0.2 | 0.5 | 10 | | | | |
| 1N3076 | S | | | R | 250 | 1.5 | 0.2 | 0.5 | 10 | | | | |
| 1N3077 | S | | | R | 300 | 1.5 | 0.2 | 0.5 | 10 | | | | |
| 1N3078 | S | | | R | 350 | 1.5 | 0.2 | 0.5 | 10 | | | | |
| 1N3079 | S | | | R | 400 | 1.5 | 0.2 | 0.5 | 10 | | | | |
| 1N3080 | S | | | R | 500 | 1.5 | 0.2 | 0.5 | 10 | | | | |
| 1N3081 | S | | | R | 600 | 1.5 | 0.2 | 0.5 | 10 | | | | |
| 1N3082 | S | | | R | 200 | 1.25 | 0.5 | 0.2 | 15 | | | | |
| 1N3083 | S | | | R | 400 | 1.25 | 0.5 | 0.2 | 15 | | | | |
| 1N3084 | S | | | R | 600 | 1.25 | 0.5 | 0.2 | 15 | | | | |
| 1N3085 | S | MR1221SB | 3-39 | R | 100 | 1.1 | 150 | 40 | 1500 | | | | |
| 1N3086 | S | MR1223SB | 3-39 | R | 200 | 1.1 | 150 | 40 | 1500 | | | | |
| 1N3087 | S | MR1225SB | 3-39 | R | 300 | 1.1 | 150 | 40 | 1500 | | | | |
| 1N3088 | S | MR1227SB | 3-39 | R | 400 | 1.1 | 150 | 40 | 1500 | | | | |
| 1N3089 | S | | | R | 500 | 1.1 | 150 | 40 | 1500 | | | | |
| 1N3090 | S | | | R | 600 | 1.1 | 150 | 40 | 1500 | | | | |
| 1N3091 | S | | | R | 800 | 1.1 | 150 | 40 | 1500 | | | | |
| 1N3092 | S | | | R | 1000 | 1.1 | 150 | 40 | 1500 | | | | |
| 1N3093 | G | X-band Switch | | | | | | | | | | | |
| 1N3097 | G | | | MS | 30 | 0.5 | 10M | 4.0* | 0.5 | | | | |
| 1N3098 | S | 1N3046A | 2-20 | ZD | | | | | | 110 | 130 | | 1.0W |
| 1N3099 | S | 1N3048A | 2-20 | ZD | | | | | | 130 | 160 | | 1.0W |
| 1N3100 | S | 1N3050A | 2-20 | ZD | | | | | | 160 | 200 | | 1.0W |
| 1N3101 | S | 1N3051 | 2-20 | ZD | | | | | | 200 | 240 | | 1.0W |
| 1N3102 | S | 1N3008A | 2-19 | ZD | | | | | | 110 | 130 | | 10W |
| 1N3103 | S | 1N3011 | 2-19 | ZD | | | | | | 130 | 160 | | 10W |
| 1N3104 | S | 1N3014A | 2-19 | ZD | | | | | | 160 | 200 | | 10W |
| 1N3105 | S | 1N3015 | 2-19 | ZD | | | | | | 200 | 240 | | 10W |
| 1N3106 | S | | | R | 800 | 1.6 | 0.75 | 0.3 | 30 | | | | |
| 1N3107 | S | | | R | 1200 | 3.2 | 0.5 | 0.3 | 15 | | | | |
| 1N3108 | S | | | R | 800 | 1.6 | 1.5 | 0.3 | 30 | | | | |
| 1N3109 | S | | | R | 1200 | 3.2 | 0.7 | 0.3 | 15 | | | | |
| 1N3110 | G | | | GP | 8.0 | 0.45 | 5.0M | 20* | | | | | |
| 1N3111 | S | MR1290SB | 3-49 | R | 50 | 1.1 | 150 | 40 | 1500 | | | | |
| 1N3112 | S | 1N4737A | 2-29 | ZD | | | | | | 7.13 | 7.88 | | 1.0W |
| 1N3113 | | | | | | | | | | | | | |
| 1N3120 | | | | | | | | | | | | | |
| 1N3121 | G | | | MS | 50 | 0.25 | 0.1M | 3.5* | 0.5 | | | | |
| 1N3122 | G | | | GP | 20 | 0.3 | 1.0M | 4.5* | | | | | |
| 1N3123 | S | | | HS | 40 | 1.5 | 10M | 0.1* | 4.0 | | | | |
| 1N3124 | S | | | HS | 40 | 1.0 | 20M | 0.1* | 4.0 | | | | |
| 1N3125 | G | | | MS | 40 | 0.4 | 5.0M | 100* | 0.3 | | | | |
| 1N3128 | | | | | | | | | | | | | |
| 1N3130 | | | | | | | | | | | | | |
| 1N3138 | | | | | | | | | | | | | |
| 1N3139 | S | | | R | 50 | 1.55 | 70 | 15 | 1200 | | | | |
| 1N3140 | S | | | R | 100 | 1.55 | 70 | 15 | 1200 | | | | |
| 1N3141 | S | | | R | 150 | 1.55 | 70 | 15 | 1200 | | | | |
| 1N3142 | S | | | R | 200 | 1.55 | 70 | 15 | 1200 | | | | |
| 1N3143 | G | | | | | | | | | | | | |
| 1N3144 | G | | | MS | 20 | 0.3 | 1.0M | 20* | 0.5 | | | | |
| 1N3145 | G | | | GP | 65 | 0.45 | 10M | 25* | | | | | |
| 1N3146 | G | | | CS | 20 | 1.0 | 50M | 100* | 2.0 | | | | |
| 1N3147 | S | | | HC | 45 | 1.0 | 100M | | 1.0 | | | | |
| 1N3148 | S | 1N3155A | 2-45 | RD | | | | | | 0.005 | 8.5 | -55 | 100 |
| 1N3149 | | | | | | | | | | | | | |
| 1N3149A | | | | | | | | | | | | | |
| 1N3150 | | | | | | | | | | | | | |
| 1N3151 | S | | | R | 7200 | 27 | 0.1 | 250 | 12 | | | | |
| 1N3154 | S | 2-45 | | RD | | | | | | 0.01 | 8.8 | -55 | 100 |
| 1N3154A | S | 2-45 | | RD | | | | | | 0.01 | 8.8 | -55 | 150 |
| 1N3155 | S | 2-45 | | RD | | | | | | 0.005 | 8.8 | -55 | 100 |
| 1N3155A | S | 2-45 | | RD | | | | | | 0.005 | 8.8 | -55 | 150 |
| 1N3156 | S | 2-45 | | RD | | | | | | 0.002 | 8.8 | -55 | 100 |
| 1N3156A | S | 2-45 | | RD | | | | | | 0.002 | 8.8 | -55 | 150 |
| 1N3157 | S | 2-45 | | RD | | | | | | 0.001 | 8.8 | -55 | 100 |
| 1N3157A | S | 2-45 | | RD | | | | | | 0.001 | 8.8 | -55 | 150 |
| 1N3159 | G | | | MS | 15 | 0.45 | 10M | | 0.3 | | | | |
| 1N3160 | G | | | GP | 60 | 1.0 | 5.0M | 12* | | | | | |
| 1N3161 | S | MR1230SB | 3-52 | R | 50 | 1.30 | 240 | 16 | 3000 | | | | |
| 1N3162 | S | MR1231SB | 3-52 | R | 100 | 1.30 | 240 | 16 | 3000 | | | | |
| 1N3163 | S | MR1232SB | 3-52 | R | 150 | 1.30 | 240 | 16 | 3000 | | | | |
| 1N3164 | S | MR1233SB | 3-52 | R | 200 | 1.30 | 240 | 16 | 3000 | | | | |
| 1N3165 | S | MR1234SB | 3-52 | R | 250 | 1.30 | 240 | 16 | 3000 | | | | |
| 1N3166 | S | MR1235SB | 3-52 | R | 300 | 1.30 | 240 | 16 | 3000 | | | | |
| 1N3167 | S | MR1236SB | 3-52 | R | 350 | 1.30 | 240 | 16 | 3000 | | | | |
| 1N3168 | S | MR1237SB | 3-52 | R | 400 | 1.30 | 240 | 16 | 3000 | | | | |

R—Rectifier, RD—Reference Diode, ZD—Zener Diode, GP—General Purpose, HC—High Conductance (≥ 20 mA @ ≤ 1 V), HS—High Speed Switch (Max t_r < 0.3 μs), CS—High Conductance, High Speed Switch, MS—Medium Speed Switch, PA—Parametric Amplifier, SP—Special Purpose.

TUNNEL DIODES INDEX

1N2927 — 1N3720

| TYPE | MATERIAL | I_p (mA) | I_r/I_v | V_p (mV) | C C_J^* (pF) | f (GHz) |
|---------|----------|---------------|-----------|---------------|----------------------|------------|
| 1N2927 | S | 0.10 | 2.5 | 75 | 80 | |
| 1N2927A | S | 0.10 | 3.2 | 70 | 80 | |
| 1N2928 | S | 0.47 | 2.5 | 80 | 100 | |
| 1N2928A | S | 0.47 | 3.2 | 74 | 100 | |
| 1N2929 | S | 1.0 | 2.5 | 80 | 150 | |
| 1N2929A | S | 1.0 | 3.2 | 75 | 150 | |
| 1N2930 | S | 4.7 | 2.5 | 85 | 250 | |
| 1N2930A | S | 4.7 | 3.2 | 79 | 250 | |
| 1N2931 | S | 10 | 2.5 | 85 | 400 | |
| 1N2931A | S | 10 | 3.2 | 80 | 400 | |
| 1N2932 | S | 22 | 2.5 | 90 | 1200 | |
| 1N2932A | S | 22 | 3.2 | 82 | 1200 | |
| 1N2933 | S | 47 | 2.5 | 90 | 1800 | |
| 1N2933A | S | 47 | 3.2 | 83 | 1800 | |
| 1N2934 | S | 100 | 2.5 | 90 | 2500 | |
| 1N2934A | S | 100 | 3.2 | 85 | 2500 | |
| 1N2939 | G | 1.0 | 10 | 65 | 15 | 2.2 |
| 1N2939A | G | 1.0 | 7.0 | 60 | 10 | |
| 1N2940 | G | 1.0 | 7.7 | 65 | 10 | 2.2 |
| 1N2940A | G | 1.0 | 4.4 | 65 | 7.0 | |
| 1N2941 | G | 4.7 | 7.9 | 65 | 50 | 2.6 |
| 1N2941A | G | 4.7 | 4.4 | 65 | 30 | |
| 1N2969 | G | 2.2 | 7.6 | 65 | 25 | 2.5 |
| 1N2969A | G | 2.2 | 4.5 | 65 | 15 | |
| 1N3113 | GA | 1.0 | 10 | | 10 | |
| 1N3114 | GA | 2.2 | 10 | | 10 | |
| 1N3115 | GA | 2.2 | 10 | | 10 | |
| 1N3116 | GA | 4.7 | 10 | | 15 | |
| 1N3117 | GA | 4.7 | 9.0 | | 15 | |
| 1N3118 | GA | 10 | 10 | 160 | 20* | |
| 1N3119 | GA | 10 | | | 20 | |
| 1N3120 | GA | 22 | 10 | | | |
| 1N3128 | G | 5.0 | 8.0 | 65 | 15 | |
| 1N3129 | G | 20 | 8.0 | 90 | 20 | |
| 1N3130 | G | 50 | 8.0 | 120 | 25 | |
| 1N3138 | GA | 50 | 13 | 260 | 30 | |
| 1N3149 | G | 10 | 7.7 | 65 | 90 | 2.6 |
| 1N3149A | G | 10 | 4.4 | 65 | 50 | |
| 1N3150 | G | 22 | 7.6 | 65 | 125 | 2.2 |
| 1N3217 | G | 0.47 | 4.7 | | 8.0 | |
| 1N3218 | G | 1.0 | 5.0 | | 10 | |
| 1N3218A | G | 1.0 | 5.0 | | 5.0 | |
| 1N3219 | G | 2.2 | 5.0 | | 20 | |
| 1N3219A | G | 2.2 | 5.0 | | 10 | |
| 1N3220 | G | 4.7 | 4.7 | | 30 | |
| 1N3221 | G | 10 | 5.0 | 65 | 100 | 2.6 |
| 1N3221A | G | 10 | 6.0 | | 35 | |
| 1N3222 | G | 22 | 5.1 | | 150 | |
| 1N3560 | G | 1.0 | 5.0 | 55 | 20 | 1.3 |
| 1N3561 | G | 1.0 | 8.0 | 55 | 20 | 1.3 |
| 1N3562 | G | 5.0 | 6.0 | 55 | 85 | 1.3 |
| 1N3712 | G | 1.0 | 5.0 | 65 | 10 | 2.3 |
| 1N3713 | G | 1.0 | 7.0 | 65 | 5.0 | 3.2 |
| 1N3714 | G | 2.2 | 4.2 | 65 | 25* | 2.2 |
| 1N3715 | G | 2.2 | 7.0 | 65 | 10 | 3.0 |
| 1N3716 | G | 4.7 | 4.0 | 65 | 50 | 1.8 |
| 1N3717 | G | 4.7 | 7.6 | 65 | 25 | 3.4 |
| 1N3718 | G | 10 | 4.1 | 65 | 90 | 1.6 |
| 1N3719 | G | 10 | 7.0 | 65 | 50 | |
| 1N3720 | G | 22 | 4.2 | 65 | 150 | 1.6 |