

**1N2235-1N2285**

| TYPE    | MATERIAL | REPLACEMENT | PAGE NUMBER | IDENTIFICATION | RECTIFIERS           |                  |                 |                        |                       | ZENER DIODES     |               |                |       |
|---------|----------|-------------|-------------|----------------|----------------------|------------------|-----------------|------------------------|-----------------------|------------------|---------------|----------------|-------|
|         |          |             |             |                | $V_R$<br>(volts)     | $V_F$<br>(volts) | $I_O$<br>(Amps) | $I_R$<br>(mA)          | $I_{surge}$<br>(Amps) | $V_Z$ (min)      | $V_Z$ (nom) * | Tol<br>$V_Z$ % | $P_D$ |
|         |          |             |             |                | SIGNAL DIODES        |                  |                 |                        |                       | REFERENCE DIODES |               |                |       |
|         |          |             |             |                | $V_{PRV}$<br>(volts) | $V_F$ @<br>$I_F$ | $I_R$           | $t_{rr}$<br>( $\mu$ s) | TC<br>%/°C            | $V_Z$            | T (min)<br>°C | T (max)<br>°C  |       |
| 1N2235  | S        |             |             | R              | 400                  |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2235A | S        |             |             | R              | 400                  |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2236  | S        |             |             | R              | 500                  | 1.2              | 1.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2236A | S        |             |             | R              | 500                  | 1.2              | 1.6             | 0.003                  | 100                   |                  |               |                |       |
| 1N2237  | S        |             |             | R              | 500                  |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2237A | S        |             |             | R              | 500                  |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2238  | S        |             |             | R              | 600                  | 1.2              | 1.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2238A | S        |             |             | R              | 600                  | 1.2              | 1.6             | 0.003                  | 100                   |                  |               |                |       |
| 1N2239  | S        |             |             | R              | 600                  |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2239A | S        |             |             | R              | 600                  |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2240  | S        |             |             | R              | 800                  | 1.2              | 1.5             | 0.003                  | 100                   |                  |               |                |       |
| 1N2240A | S        |             |             | R              | 800                  | 1.2              | 1.5             | 0.003                  | 100                   |                  |               |                |       |
| 1N2241  | S        |             |             | R              | 800                  |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2241A | S        |             |             | R              | 800                  |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2242  | S        |             |             | R              | 1000                 | 1.2              | 1.5             | 0.003                  | 100                   |                  |               |                |       |
| 1N2242A | S        |             |             | R              | 1000                 | 1.2              | 1.6             | 0.003                  | 100                   |                  |               |                |       |
| 1N2243  | S        |             |             | R              | 1000                 |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2243A | S        |             |             | R              | 1000                 |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2244  | S        |             |             | R              | 1200                 | 1.2              | 1.5             | 0.003                  | 100                   |                  |               |                |       |
| 1N2244A | S        |             |             | R              | 1200                 | 1.2              | 1.6             | 0.003                  | 100                   |                  |               |                |       |
| 1N2245  | S        |             |             | R              | 1200                 |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2245A | S        |             |             | R              | 1200                 |                  | 5.0             | 0.003                  | 100                   |                  |               |                |       |
| 1N2246  | S        |             |             | R              | 50                   | 1.2              | 3.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2246A | S        |             |             | R              | 50                   | 1.2              | 3.0             | 0.003                  | 200                   |                  |               |                |       |
| 1N2247  | S        |             |             | R              | 50                   |                  | 10              | 0.005                  | 200                   |                  |               |                |       |
| 1N2247A | S        |             |             | R              | 50                   |                  | 10              | 0.003                  | 200                   |                  |               |                |       |
| 1N2248  | S        |             |             | R              | 100                  | 1.2              | 3.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2248A | S        |             |             | R              | 100                  | 1.2              | 3.0             | 0.003                  | 200                   |                  |               |                |       |
| 1N2249  | S        |             |             | R              | 100                  |                  | 10              | 0.005                  | 200                   |                  |               |                |       |
| 1N2249A | S        |             |             | R              | 100                  |                  | 10              | 0.003                  | 200                   |                  |               |                |       |
| 1N2250  | S        |             |             | R              | 200                  | 1.2              | 3.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2250A | S        |             |             | R              | 200                  | 1.2              | 3.0             | 0.003                  | 200                   |                  |               |                |       |
| 1N2251  | S        |             |             | R              | 200                  |                  | 5.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2251A | S        |             |             | R              | 200                  |                  | 10              | 0.003                  | 200                   |                  |               |                |       |
| 1N2252  | S        |             |             | R              | 300                  | 1.2              | 3.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2252A | S        |             |             | R              | 300                  | 1.2              | 3.0             | 0.003                  | 200                   |                  |               |                |       |
| 1N2253  | S        |             |             | R              | 300                  |                  | 10              | 0.005                  | 200                   |                  |               |                |       |
| 1N2253A | S        |             |             | R              | 300                  |                  | 10              | 0.003                  | 200                   |                  |               |                |       |
| 1N2254  | S        |             |             | R              | 400                  | 1.2              | 3.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2254A | S        |             |             | R              | 400                  | 1.2              | 3.0             | 0.003                  | 200                   |                  |               |                |       |
| 1N2255  | S        |             |             | R              | 400                  |                  | 10              | 0.005                  | 200                   |                  |               |                |       |
| 1N2255A | S        |             |             | R              | 400                  |                  | 10              | 0.003                  | 200                   |                  |               |                |       |
| 1N2256  | S        |             |             | R              | 500                  | 1.2              | 3.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2256A | S        |             |             | R              | 500                  | 1.2              | 3.0             | 0.003                  | 200                   |                  |               |                |       |
| 1N2257  | S        |             |             | R              | 500                  |                  | 10              | 0.005                  | 200                   |                  |               |                |       |
| 1N2257A | S        |             |             | R              | 500                  |                  | 10              | 0.005                  | 200                   |                  |               |                |       |
| 1N2258  | S        |             |             | R              | 600                  | 1.2              | 3.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2258A | S        |             |             | R              | 600                  | 1.2              | 3.0             | 0.003                  | 200                   |                  |               |                |       |
| 1N2259  | S        |             |             | R              | 600                  |                  | 10              | 0.005                  | 200                   |                  |               |                |       |
| 1N2259A | S        |             |             | R              | 600                  |                  | 10              | 0.003                  | 200                   |                  |               |                |       |
| 1N2260  | S        |             |             | R              | 800                  | 1.2              | 3.0             | 0.003                  | 200                   |                  |               |                |       |
| 1N2260A | S        |             |             | R              | 800                  | 1.2              | 3.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2261  | S        |             |             | R              | 800                  |                  | 10              | 0.01                   | 200                   |                  |               |                |       |
| 1N2261A | S        |             |             | R              | 800                  |                  | 10              | 0.005                  | 200                   |                  |               |                |       |
| 1N2262  | S        |             |             | R              | 1000                 | 1.2              | 3.0             | 0.010                  | 200                   |                  |               |                |       |
| 1N2262A | S        |             |             | R              | 1000                 | 1.2              | 3.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2263  | S        |             |             | R              | 1000                 |                  | 10              | 0.01                   | 200                   |                  |               |                |       |
| 1N2263A | S        |             |             | R              | 1000                 |                  | 10              | 0.005                  | 200                   |                  |               |                |       |
| 1N2264  | S        |             |             | R              | 1200                 | 1.2              | 3.0             | 0.010                  | 200                   |                  |               |                |       |
| 1N2264A | S        |             |             | R              | 1200                 | 1.2              | 3.0             | 0.005                  | 200                   |                  |               |                |       |
| 1N2265  | S        |             |             | R              | 1200                 |                  | 10              | 0.01                   | 200                   |                  |               |                |       |
| 1N2265A | S        |             |             | R              | 1200                 |                  | 10              | 0.005                  | 200                   |                  |               |                |       |
| 1N2266  | S        |             |             | R              | 50                   | 1.2              | 0.3             | 0.003                  | 20                    |                  |               |                |       |
| 1N2267  | S        |             |             | R              | 50                   |                  | 1.0             | 0.003                  | 20                    |                  |               |                |       |
| 1N2268  | S        |             |             | R              | 500                  | 1.2              | 0.3             | 0.003                  | 20                    |                  |               |                |       |
| 1N2269  | S        |             |             | R              | 500                  |                  | 1.0             | 0.003                  | 20                    |                  |               |                |       |
| 1N2270  | S        |             |             | R              | 600                  | 1.2              | 0.3             | 0.003                  | 20                    |                  |               |                |       |
| 1N2271  | S        |             |             | R              | 600                  |                  | 1.0             | 0.003                  | 20                    |                  |               |                |       |
| 1N2272  | S        |             |             | R              | 50                   | 1.2              | 6.0             | 1.0                    | 400                   |                  |               |                |       |
| 1N2273  | S        |             |             | R              | 100                  | 1.2              | 6.0             | 1.0                    | 400                   |                  |               |                |       |
| 1N2274  | S        |             |             | R              | 200                  | 1.2              | 6.0             | 1.0                    | 400                   |                  |               |                |       |
| 1N2275  | S        |             |             | R              | 300                  | 1.2              | 6.0             | 1.0                    | 400                   |                  |               |                |       |
| 1N2276  | S        |             |             | R              | 400                  | 1.2              | 6.0             | 1.0                    | 400                   |                  |               |                |       |
| 1N2277  | S        |             |             | R              | 500                  | 1.2              | 6.0             | 1.0                    | 400                   |                  |               |                |       |
| 1N2278  | S        |             |             | R              | 600                  | 1.2              | 6.0             | 1.0                    | 400                   |                  |               |                |       |
| 1N2279  | S        |             |             | R              | 800                  | 1.2              | 6.0             | 1.0                    | 400                   |                  |               |                |       |
| 1N2280  | S        |             |             | R              | 1000                 | 1.2              | 6.0             | 1.0                    | 400                   |                  |               |                |       |
| 1N2281  | S        |             |             | R              | 1200                 | 1.2              | 6.0             | 1.0                    | 400                   |                  |               |                |       |
| 1N2282  | S        |             |             | R              | 300                  | 1.5              | 20              | 5.0                    | 400                   |                  |               |                |       |
| 1N2283  | S        |             |             | R              | 400                  | 1.5              | 20              | 5.0                    | 400                   |                  |               |                |       |
| 1N2284  | S        |             |             | R              | 500                  | 1.5              | 20              | 5.0                    | 400                   |                  |               |                |       |
| 1N2285  | S        |             |             | R              | 600                  | 1.5              | 20              | 5.0                    | 400                   |                  |               |                |       |

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