

**1N2370B-1N2500**

| TYPE    | MATERIAL | REPLACEMENT | PAGE NUMBER | IDENTIFICATION | RECTIFIERS                |  |                          |                        |                              | ZENER DIODES         |  |                         |                |
|---------|----------|-------------|-------------|----------------|---------------------------|--|--------------------------|------------------------|------------------------------|----------------------|--|-------------------------|----------------|
|         |          |             |             |                | V <sub>R</sub><br>(volts) | V <sub>F</sub><br>(volts)                  | I <sub>O</sub><br>(Amps) | I <sub>R</sub><br>(mA) | I <sub>surge</sub><br>(Amps) | V <sub>Z</sub> (min) | V <sub>Z</sub> (nom) *<br>V <sub>Z</sub> (max) | Tol<br>V <sub>Z</sub> % | P <sub>D</sub> |
|         |          |             |             |                | SIGNAL DIODES             |  |                          |                        |                              | REFERENCE DIODES     |  |                         |                |
|         |          |             |             |                | PRV<br>(volts)            | V <sub>F</sub> @ I <sub>F</sub><br>(volts) | I <sub>R</sub>           | t <sub>r</sub><br>(μs) | TC<br>%/°C                   | V <sub>Z</sub>       | T (min)<br>°C                                  | T (max)<br>°C           |                |
| 1N2370B | S        |             |             | R              | 2000                      |  | 10                       | 0.001                  | 25                           |                      |  |                         |                |
| 1N2371  | S        |             |             | R              | 2000                      |  | 1.0                      | 0.001                  | 15                           |                      |  |                         |                |
| 1N2371A | S        |             |             | R              | 2000                      |  | 5.0                      | 0.001                  | 20                           |                      |  |                         |                |
| 1N2371B | S        |             |             | R              | 2000                      |  | 10                       | 0.001                  | 25                           |                      |  |                         |                |
| 1N2372  | S        |             |             | R              | 1000                      | 2.0  | 0.2                      | 0.5                    | 12                           |                      |  |                         |                |
| 1N2373  | S        | 1N4005      | 3-24        | R              | 600                       | 3.0  | 0.1                      | 0.250                  | 12                           |                      |  |                         |                |
| 1N2374  | S        | 1N4007      | 3-24        | R              | 1000                      | 3.0  | 0.1                      | 0.250                  | 12                           |                      |  |                         |                |
| 1N2375  | S        | MR991       | 3-37        | R              | 1500                      | 4.5  | 0.1                      | 0.250                  | 12                           |                      |  |                         |                |
| 1N2376  | S        | MR992       | 3-37        | R              | 2000                      | 7.5  | 0.1                      | 0.250                  | 12                           |                      |  |                         |                |
| 1N2377  | S        | MR993       | 3-37        | R              | 2400                      | 9.0  | 0.075                    | 0.250                  | 12                           |                      |  |                         |                |
| 1N2378  | S        | MR994       | 3-37        | R              | 3000                      | 9.0  | 0.075                    | 0.250                  | 12                           |                      |  |                         |                |
| 1N2379  | S        | 1N2382      | 3-78        | R              | 4000                      | 15.0                                       | 0.05                     | 0.250                  | 12                           |                      |  |                         |                |
| 1N2380  | S        | 1N2383      | 3-78        | R              | 6000                      | 22.5                                       | 0.05                     | 0.250                  | 12                           |                      |  |                         |                |
| 1N2381  | S        | 1N2385      | 3-78        | R              | 10K                       | 37.5                                       | 0.025                    | 0.250                  | 12                           |                      |  |                         |                |
| 1N2382  | S        |             | 3-78        | R              | 4000                      | 18   | 0.15                     | 0.2                    | 6.0                          |                      |  |                         |                |
| 1N2382A | S        |             |             | R              | 4000                      | 6.0  | 0.35                     | 0.2                    | 6.0                          |                      |  |                         |                |
| 1N2383  | S        |             | 3-78        | R              | 6000                      | 27   | 0.1                      | 0.2                    | 6.0                          |                      |  |                         |                |
| 1N2383A | S        |             |             | R              | 6000                      | 9.0  | 0.35                     | 0.2                    | 6.0                          |                      |  |                         |                |
| 1N2384  | S        |             | 3-78        | R              | 8000                      | 27   | 0.07                     | 0.2                    | 6.0                          |                      |  |                         |                |
| 1N2384A | S        |             |             | R              | 8000                      | 12   | 0.275                    | 0.2                    | 6.0                          |                      |  |                         |                |
| 1N2385  | S        |             |             | R              | 10K                       | 39   | 0.07                     | 0.2                    | 6.0                          |                      |  |                         |                |
| 1N2385A | S        |             |             | R              | 10K                       | 15   | 0.2                      | 0.2                    | 6.0                          |                      |  |                         |                |
| 1N2386  | G        |             |             | PA             | 5.0                       |  |                          |                        |                              |                      |  |                         |                |
| 1N2387  | S        | 1N4751A     | 2-29        | ZD             |                           |  |                          |                        |                              | 30*                  | 5.0  | 1.0W                    |                |
| 1N2389  | S        |             |             | R              | 1600                      | 4.8  | 0.6                      | 0.5                    | 15                           |                      |  |                         |                |
| 1N2390  | S        |             |             | R              | 50                        | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2391  | S        |             |             | R              | 100                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2392  | S        |             |             | R              | 200                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2393  | S        |             |             | R              | 300                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2394  | S        |             |             | R              | 400                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2395  | S        |             |             | R              | 500                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2396  | S        |             |             | R              | 600                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2397  | S        |             |             | R              | 700                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2398  | S        |             |             | R              | 800                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2399  | S        |             |             | R              | 50                        | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2400  | S        |             |             | R              | 100                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2401  | S        |             |             | R              | 200                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2402  | S        |             |             | R              | 300                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2403  | S        |             |             | R              | 400                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2404  | S        |             |             | R              | 500                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2405  | S        |             |             | R              | 600                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2406  | S        |             |             | R              | 700                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2407  | S        |             |             | R              | 800                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2408  | S        |             |             | R              | 50                        | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2409  | S        |             |             | R              | 100                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2410  | S        |             |             | R              | 200                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2411  | S        |             |             | R              | 300                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2412  | S        |             |             | R              | 400                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2413  | S        |             |             | R              | 500                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2414  | S        |             |             | R              | 600                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2415  | S        |             |             | R              | 700                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2416  | S        |             |             | R              | 800                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2417  | S        |             |             | R              | 50                        | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2418  | S        |             |             | R              | 100                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2419  | S        |             |             | R              | 200                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2420  | S        |             |             | R              | 300                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2421  | S        |             |             | R              | 400                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2422  | S        |             |             | R              | 500                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2423  | S        |             |             | R              | 600                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2424  | S        |             |             | R              | 700                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2425  | S        |             |             | R              | 800                       | 1.2  | 1.5                      | 0.3                    | 35                           |                      |  |                         |                |
| 1N2482  | S        | 1N4003      | 3-24        | R              | 200                       | 1.2  | 0.75                     | 0.5                    | 30                           |                      |  |                         |                |
| 1N2483  | S        | 1N4004      | 3-24        | R              | 400                       | 1.2  | 0.75                     | 0.5                    | 30                           |                      |  |                         |                |
| 1N2484  | S        | 1N4005      | 3-24        | R              | 500                       | 1.2  | 0.75                     | 0.5                    | 30                           |                      |  |                         |                |
| 1N2485  | S        | 1N4003      | 3-24        | R              | 200                       | 1.2  | 0.75                     | 0.5                    | 30                           |                      |  |                         |                |
| 1N2486  | S        | 1N4004      | 3-24        | R              | 300                       | 1.2  | 0.75                     | 0.5                    | 30                           |                      |  |                         |                |
| 1N2487  | S        | 1N4004      | 3-24        | R              | 400                       | 1.2  | 0.75                     | 0.5                    | 30                           |                      |  |                         |                |
| 1N2488  | S        | 1N4005      | 3-24        | R              | 500                       | 1.2  | 0.75                     | 0.5                    | 30                           |                      |  |                         |                |
| 1N2489  | S        | 1N4005      | 3-24        | R              | 600                       | 1.2  | 0.75                     | 0.5                    | 30                           |                      |  |                         |                |
| 1N2490  | S        |             |             | R              | 1600                      | 4.8  | 0.5                      | 0.5                    | 15                           |                      |  |                         |                |
| 1N2491  | S        |             |             | R              | 50                        | 1.5  | 6.0                      | 2.0                    | 150                          |                      |  |                         |                |
| 1N2492  | S        |             |             | R              | 100                       | 1.5  | 6.0                      | 2.0                    | 150                          |                      |  |                         |                |
| 1N2493  | S        |             |             | R              | 200                       | 1.5  | 6.0                      | 2.0                    | 150                          |                      |  |                         |                |
| 1N2494  | S        |             |             | R              | 300                       | 1.5  | 6.0                      | 2.0                    | 150                          |                      |  |                         |                |
| 1N2495  | S        |             |             | R              | 400                       | 1.5  | 6.0                      | 2.0                    | 150                          |                      |  |                         |                |
| 1N2496  | S        |             |             | R              | 500                       | 1.5  | 6.0                      | 2.0                    | 150                          |                      |  |                         |                |
| 1N2497  | S        |             |             | R              | 600                       | 1.5  | 6.0                      | 2.0                    | 150                          |                      |  |                         |                |
| 1N2498  | S        |             | 2-15        | ZD             |                           |  |                          |                        |                              | 10*                  | 10   | 10W                     |                |
| 1N2498A | S        |             | 2-15        | ZD             |                           |  |                          |                        |                              | 10*                  | 5.0  | 10W                     |                |
| 1N2499  | S        |             | 2-15        | ZD             |                           |  |                          |                        |                              | 11*                  | 10   | 10W                     |                |
| 1N2499A | S        |             | 2-15        | ZD             |                           |  |                          |                        |                              | 11*                  | 5.0  | 10W                     |                |
| 1N2500  | S        |             | 2-15        | ZD             |                           |  |                          |                        |                              | 12*                  | 10   | 10W                     |                |

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