

# SEMELAB

T-27-01

T-33-01

| Type No. | Reliability Option | Polarity | Package | V <sub>CEO</sub> | I <sub>C</sub> cont | h <sub>FE</sub> @ | V <sub>CE</sub> /I <sub>C</sub> | f <sub>T</sub> | P <sub>D</sub> |
|----------|--------------------|----------|---------|------------------|---------------------|-------------------|---------------------------------|----------------|----------------|
| 2N1937   | HI-REL             | NPN      | TO63    | 80               | 20                  | 10-50             | 10/10                           | 4M             | 150            |
| 2N1991   | SCREEN             | PNP      | TO39    | 20               | 0.3                 | 15-60             | 10/0.15                         | 40M            | 0.6            |
| 2N2060   | HI-REL             | PNP *    | TO77    | 80               | 0.5                 | 40-120            | 5/10m                           | 60M            | 0.6            |
| 2N2102   | HI-REL             | NPN *    | TO39    | 65               | 1                   | 35min             | 10/10m                          | 60M            | 1              |
| 2N2192   | HI-REL             | NPN *    | TO39    | 40               | 1                   | 100-300           | 10/0.15                         | 50M            | 0.8            |
| 2N2192A  | HI-REL             | NPN *    | TO39    | 40               | 1                   | 100-300           | 10/0.15                         | 50M            | 0.8            |
| 2N2193   | HI-REL             | NPN *    | TO39    | 50               | 1                   | 40-120            | 10/0.15                         | 50M            | 0.8            |
| 2N2193A  | HI-REL             | NPN *    | TO39    | 50               | 1                   | 40-120            | 10/0.15                         | 50M            | 0.8            |
| 2N2218   | HI-REL             | NPN *    | TO39    | 30               | 0.8                 | 40-120            | 10/0.15                         | 250M           | 0.8            |
| 2N2218A  | HI-REL             | NPN *    | TO39    | 40               | 0.8                 | 40-120            | 10/0.15                         | 250M           | 0.8            |
| 2N2219   | HI-REL             | NPN *    | TO39    | 30               | 0.8                 | 100-300           | 10/0.15                         | 250M           | 0.8            |
| 2N2219A  | HI-REL             | NPN *    | TO39    | 40               | 0.8                 | 100-300           | 10/0.15                         | 250M           | 0.8            |
| 2N2221   | HI-REL             | NPN *    | TO18    | 30               | 0.8                 | 40-120            | 10/0.15                         | 250M           | 0.5            |
| 2N2221A  | HI-REL             | NPN *    | TO18    | 40               | 0.8                 | 40-120            | 10/0.15                         | 250M           | 0.5            |
| 2N2222   | HI-REL             | NPN *    | TO18    | 30               | 0.8                 | 100-300           | 10/0.15                         | 250M           | 0.5            |
| 2N2222A  | HI-REL             | NPN *    | TO18    | 40               | 0.8                 | 100-300           | 10/0.15                         | 250M           | 0.5            |
| 2N2223   | HI-REL             | NPN *    | TO77    | 80               | 0.5                 | 50-200            | 5/10m                           | 50M            | 0.6            |
| 2N2223A  | HI-REL             | NPN *    | TO77    | 80               | 0.5                 | 50-200            | 5/10m                           | 50M            | 0.6            |
| 2N2236   | SCREEN             | PNP *    | TO39    | 20               | 0.5                 | 15m               | 1/0.1                           | 50M            | 0.6            |
| 2N2243   | HI-REL             | NPN *    | TO39    | 80               | 1                   | 40-120            | 10/0.15                         | 50M            | 0.8            |
| 2N2243A  | HI-REL             | NPN *    | TO39    | 80               | 1                   | 40-120            | 10/0.15                         | 50M            | 0.8            |
| 2N2243AL | HI-REL             | NPN *    | TO5     | 80               | 1                   | 40-120            | 10/0.15                         | 50M            | 0.8            |
| 2N2243L  | HI-REL             | NPN *    | TO5     | 80               | 1                   | 40-120            | 10/0.15                         | 50M            | 0.8            |
| 2N2368   | SCREEN             | PNP      | TO18    | 40               | 0.2                 | 20-60             | 1/10m                           | 400M           | 0.36           |
| 2N2369   | SCREEN             | PNP      | TO18    | 40               | 0.2                 | 40-120            | 1/10m                           | 400M           | 0.36           |
| 2N2369A  | HI-REL             | NPN *    | TO18    | 40               | 0.2                 | 40-120            | 0.35/10m                        | 500M           | 0.36           |
| 2N2405   | SCREEN             | PNP      | TO39    | 90               | 1                   | 60-200            | 10/0.15                         | 1              |                |
| 2N2411   | HI-REL             | PNP *    | TO18    | 20               | 0.1                 | 10min             | 0.5/50u                         | 140M           | 0.3            |
| 2N2412   | HI-REL             | PNP *    | TO18    | 20               | 0.1                 | 20min             | 0.5/50u                         | 140M           | 0.3            |
| 2N2432   | SCREEN             | NPN      | TO18    | 30               | 0.1                 | 50min             | 5/1m                            | 20M            | 0.3            |
| 2N2432A  | SCREEN             | NPN      | TO18    | 45               | 0.1                 | 50min             | 5/1m                            | 20M            | 0.3            |
| 2N2453   | HI-REL             | NPN *    | TO77    | 40               | 0.05                | 150-600           | 5/10m                           | 60M            | 1.2            |
| 2N2483   | HI-REL             | NPN *    | TO18    | 60               | 50m                 | 80min             | 5/1m                            |                | 0.36           |
| 2N2484   | HI-REL             | NPN *    | TO18    | 60               | 50m                 | 150min            | 5/1m                            |                | 0.36           |
| 2N2501   | SCREEN             | NPN      | TO18    | 40               |                     | 150t              | 1/10m                           | 350M           | 0.36           |
| 2N2604   | HI-REL             | PNP *    | TO46    | 60               |                     | 60min             | 5/1m                            | 100M           | 0.4            |
| 2N2605   | HI-REL             | PNP *    | TO46    | 60               |                     | 150min            | 5/1m                            | 100M           | 0.4            |
| 2N2640   | HI-REL             | NPN *    | TO77    | 45               | 30m                 | 65min             | 5/1m                            |                | 0.3            |
| 2N2641   | HI-REL             | NPN *    | TO77    | 45               | 30m                 | 65min             | 5/1m                            |                | 0.3            |
| 2N2642   | HI-REL             | NPN *    | TO77    | 45               | 30m                 | 130in             | 5/1m                            |                | 0.3            |
| 2N2643   | HI-REL             | NPN *    | TO77    | 45               | 30m                 | 130min            | 5/1m                            |                | 0.3            |
| 2N2696   | SCREEN             | PNP      | TO18    | 25               | 0.5                 | 30min             | 1/50m                           | 100M           | 0.36           |
| 2N2800   | SCREEN             | PNP      | TO39    | 35               | 0.8                 | 20min             | 10/10m                          | 120M           | 0.8            |
| 2N2815   | HI-REL             | NPN      | TO63    | 80               | 20                  | 10-50             | 3/10                            |                | 200            |
| 2N2816   | HI-REL             | NPN      | TO63    | 100              | 20                  | 10-50             | 3/10                            |                | 200            |

\* Die available to meet this electrical specification