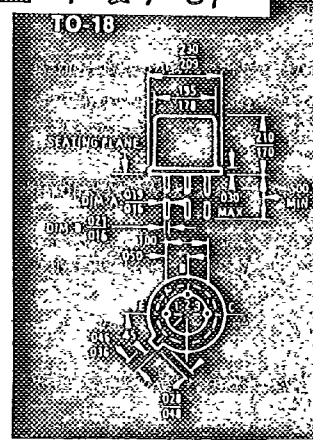
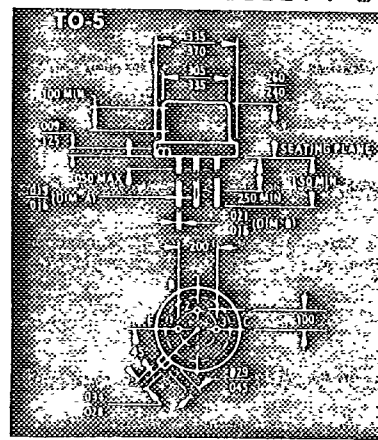




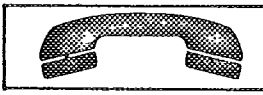
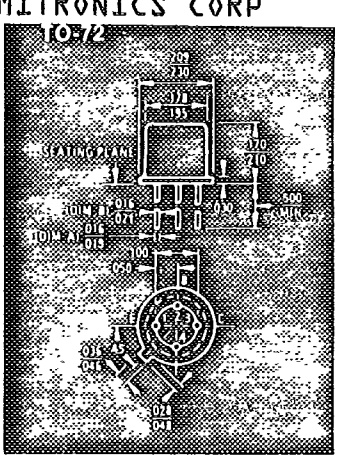
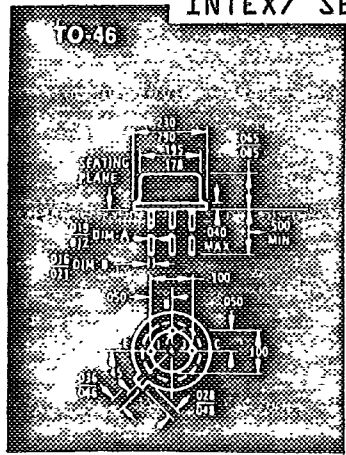
Semitronics Corp.

SEMICONDUCTORS

metal can transistors  
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| Device | Type | Package | Maximum Ratings                 |                          |                          |                          | Electrical Characteristics @ 25 °C |  |         |                              |                              |                              |                              |                               |                        |     |           |           |
|--------|------|---------|---------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|--|---------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------|-----|-----------|-----------|
|        |      |         | P <sub>D</sub><br>Ambient<br>mW | V <sub>CB</sub><br>Volts | V <sub>CE</sub><br>Volts | V <sub>EB</sub><br>Volts | h <sub>FE</sub><br>Min/Max         | V <sub>CE</sub> (Sat) @ I <sub>C</sub> /I <sub>B</sub> |         | C <sub>cb</sub><br>pF<br>Max | C <sub>ob</sub><br>pF<br>Max | f <sub>t</sub><br>MHz<br>Min | t <sub>ON</sub><br>ns<br>Max | t <sub>OFF</sub><br>ns<br>Max | Power Gain @ f         |     | NF @ f    |           |
|        |      |         |                                 |                          |                          |                          |                                    | Volts  | mA/mA   |                              |                              |                              |                              |                               | dB<br>f <sub>min</sub> | MHz | dB<br>Max | MHz       |
| 2N497  | NPN  | TO-5    | 800                             | 60                       | 60                       | 8                        | 12/36                              | 5.0  | 200/40  | -                            | 20†                          | 40†                          | -                            | -                             | -                      | -   | -         | -         |
| 2N498  | NPN  | TO-5    | 800                             | 100                      | 100                      | 8                        | 12/36                              | 5.0  | 200/40  | -                            | 20†                          | 40†                          | -                            | -                             | -                      | -   | -         | -         |
| 2N656  | NPN  | TO-5    | 800                             | 60                       | 60                       | 8                        | 30/90                              | 5.0  | 200/40  | -                            | 20†                          | 40†                          | -                            | -                             | -                      | -   | -         | -         |
| 2N657  | NPN  | TO-5    | 800                             | 100                      | 100                      | 8                        | 30/90                              | 5.0  | 200/40  | -                            | 20†                          | 40†                          | -                            | -                             | -                      | -   | -         | -         |
| 2N696  | NPN  | TO-5    | 600                             | 60                       | 40*                      | 5                        | 20/60                              | 1.5  | 150/15  | -                            | 35                           | 40                           | -                            | -                             | -                      | -   | -         | -         |
| 2N697  | NPN  | TO-5    | 600                             | 60                       | 40*                      | 5                        | 40/120                             | 1.5  | 150/150 | -                            | 35                           | 60                           | -                            | -                             | -                      | -   | -         | -         |
| 2N698  | NPN  | TO-5    | 600                             | 120                      | 60                       | 7                        | 20/60                              | 5.0  | 150/15  | -                            | 15                           | 40                           | -                            | -                             | -                      | -   | -         | -         |
| 2N699  | NPN  | TO-5    | 800                             | 120                      | 80*                      | 5                        | 40/120                             | 5.0  | 150/15  | -                            | 20                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N699A | NPN  | TO-5    | 800                             | 120                      | 80*                      | 5                        | 40/120                             | 5.0  | 150/15  | -                            | 20                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N699B | NPN  | TO-5    | 800                             | 120                      | 80*                      | 7                        | 40/120                             | 5.0  | 150/15  | -                            | 15                           | 60                           | -                            | -                             | -                      | -   | -         | -         |
| 2N706  | NPN  | TO-18   | 300                             | 25                       | 20*                      | 3                        | 20/-                               | 0.2  | 10/1    | -                            | 6                            | 200                          | 40†                          | 75†                           | -                      | -   | -         | -         |
| 2N706A | NPN  | TO-18   | 300                             | 25                       | 15                       | 5                        | 20/60                              | 0.2  | 10/1    | -                            | 6                            | 200                          | 40                           | 75                            | -                      | -   | -         | -         |
| 2N706B | NPN  | TO-18   | 300                             | 25                       | 15                       | 5                        | 20/60                              | 0.2  | 10/1    | -                            | 5                            | 200                          | 40                           | 75                            | -                      | -   | -         | -         |
| 2N706C | NPN  | TO-18   | 360                             | 40                       | 15                       | 5                        | 20/60                              | 0.3  | 30/3    | -                            | 5                            | 200                          | 40                           | 75                            | -                      | -   | -         | -         |
| 2N708  | NPN  | TO-18   | 360                             | 40                       | 15                       | 5                        | 30/120                             | 0.3  | 30/3    | -                            | 6                            | 300                          | 35                           | 65                            | -                      | -   | -         | -         |
| 2N710  | NPN  | TO-18   | 400                             | 60                       | 40*                      | 5                        | 40/120                             | 1.5  | 150/15  | -                            | 35                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N710A | NPN  | TO-18   | 500                             | 75                       | 50*                      | 7                        | 40/120                             | 1.5  | 150/15  | -                            | 25                           | 60                           | -                            | -                             | -                      | -   | -         | -         |
| 2N719  | NPN  | TO-18   | 400                             | 120                      | 80*                      | 5                        | 20/60                              | 5.0  | 150/15  | -                            | 20                           | 40                           | -                            | -                             | -                      | -   | -         | -         |
| 2N720  | NPN  | TO-18   | 400                             | 120                      | 80*                      | 5                        | 40/120                             | 5.0  | 150/15  | -                            | 20                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N720A | NPN  | TO-18   | 500                             | 120                      | 80*                      | 7                        | 40/120                             | 5.0  | 150/15  | -                            | 15                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N721  | PNP  | TO-18   | 400                             | 50                       | 35                       | 5                        | 20/45                              | 1.5  | 150/15  | -                            | 45                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N722  | PNP  | TO-18   | 400                             | 50                       | 35                       | 5                        | 30/90                              | 1.5  | 150/15  | -                            | 45                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N730  | NPN  | TO-18   | 500                             | 60                       | 40*                      | 5                        | 20/60                              | 1.5  | 150/15  | -                            | 35                           | 40                           | -                            | -                             | -                      | -   | -         | -         |
| 2N731  | NPN  | TO-18   | 500                             | 60                       | 40*                      | 5                        | 40/120                             | 1.5  | 150/15  | -                            | 35                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N743  | NPN  | TO-18   | 300                             | 20                       | 12                       | 5                        | 20/60                              | 0.6  | 100/10  | -                            | 6                            | 400                          | 16                           | 24                            | -                      | -   | -         | -         |
| 2N743A | NPN  | TO-18   | 360                             | 40                       | 15                       | 5                        | 20/60                              | 0.6  | 100/10  | -                            | 6                            | 500                          | 12                           | 15                            | -                      | -   | -         | -         |
| 2N744  | NPN  | TO-18   | 300                             | 20                       | 12                       | 5                        | 40/120                             | 0.6  | 100/10  | -                            | 4                            | 400                          | 16                           | 24                            | -                      | -   | -         | -         |
| 2N744A | NPN  | TO-18   | 360                             | 40                       | 15                       | 5                        | 40/120                             | 0.6  | 100/10  | -                            | 5                            | 500                          | -                            | -                             | -                      | -   | -         | -         |
| 2N760  | NPN  | TO-18   | 500                             | 45                       | 45                       | 8                        | 76/333                             | 1.0  | 10/1.0  | -                            | 8                            | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N760A | NPN  | TO-18   | 500                             | 60                       | 60                       | 8                        | 76/333                             | 1.0  | 10/1.0  | -                            | 8                            | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N783  | NPN  | TO-18   | 300                             | 40                       | 20*                      | 5                        | 20/80                              | 0.25   | 10/1.0  | -                            | 3.†                          | 200                          | 18                           | 30                            | -                      | -   | -         | -         |
| 2N784  | NPN  | TO-18   | 360                             | 30                       | 15*                      | 5                        | 20/-                               | 0.16   | 10/1.0  | -                            | 3.†                          | 200                          | 15                           | 40                            | -                      | -   | -         | -         |
| 2N784A | NPN  | TO-18   | 350                             | 40                       | 20*                      | 5                        | 25/150                             | 0.19   | 10/1.0  | -                            | 3.†                          | 300                          | 20                           | 40                            | -                      | -   | -         | -         |
| 2N834  | NPN  | TO-18   | 300                             | 40                       | 30*                      | 5                        | 25/-                               | 0.4  | 50/5    | -                            | 4                            | 350                          | 35                           | 75                            | -                      | -   | -         | -         |
| 2N834A | NPN  | TO-18   | 360                             | 40                       | 30*                      | 5                        | 25/-                               | 0.4  | 50/5    | -                            | 4                            | 500                          | 35                           | 75                            | -                      | -   | -         | -         |
| 2N835  | NPN  | TO-18   | 300                             | 25                       | 20                       | 5                        | 20/-                               | 0.3  | 10/1.0  | -                            | 4                            | 300                          | 20                           | 35                            | -                      | -   | -         | -         |
| 2N869  | PNP  | TO-18   | 1200                            | 25                       | 18                       | 5                        | 20/-                               | -  | -       | -                            | -                            | 100                          | -                            | 18                            | -                      | -   | -         | -         |
| 2N869A | PNP  | TO-18   | 360                             | 25                       | 18                       | 5                        | 40/120                             | 0.5  | 100/10  | -                            | 6                            | 400                          | 50                           | 80                            | -                      | -   | -         | -         |
| 2N870  | NPN  | TO-18   | 500                             | 100                      | 60                       | 7                        | 40/120                             | 5.0  | 150/15  | -                            | 15                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N871  | NPN  | TO-18   | 500                             | 100                      | 60                       | 7                        | 100/300                            | 5.0  | 150/15  | -                            | 15                           | 60                           | -                            | -                             | -                      | -   | -         | -         |
| 2N910  | NPN  | TO-18   | 500                             | 100                      | 60                       | 7                        | 75/-                               | 1.2  | 50/5    | -                            | 15                           | 60                           | -                            | -                             | -                      | -   | -         | -         |
| 2N911  | NPN  | TO-18   | 500                             | 100                      | 60                       | 7                        | 35/-                               | 1.2  | 5/5     | -                            | 15                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N912  | NPN  | TO-18   | 500                             | 100                      | 60                       | 7                        | 15/-                               | 1.2  | 50/5    | -                            | 15                           | 40                           | -                            | -                             | -                      | -   | -         | -         |
| 2N916  | NPN  | TO-18   | 360                             | 70                       | 50                       | 5                        | 50/200                             | -  | -       | -                            | 3.5                          | 250                          | -                            | -                             | 10†                    | 100 | 2         | 1.0       |
| 2N916  | NPN  | TO-18   | 360                             | 45                       | 25                       | 5                        | 50/200                             | -  | -       | -                            | 6.0                          | 300                          | -                            | -                             | 10†                    | 100 | 2         | 1.0       |
| 2N917  | NPN  | TO-72   | 200                             | 30                       | 15                       | 3                        | 20/200                             | -  | -       | -                            | 1.7                          | 500                          | -                            | -                             | 9                      | 200 | 6         | 60.0      |
| 2N917A | NPN  | TO-72   | 200                             | 30                       | 15                       | 3                        | 20/200                             | -  | -       | -                            | 1.7                          | 600                          | -                            | -                             | 15                     | 200 | 6         | 60.0      |
| 2N918  | NPN  | TO-72   | 200                             | 30                       | 15                       | 3                        | 20/-                               | -  | -       | -                            | 1.7                          | 600                          | -                            | -                             | 15                     | 200 | 6         | 60.0      |
| 2N929  | NPN  | TO-18   | 300                             | 45                       | 45                       | 5                        | 40/120                             | 1.0  | 10/0.5  | -                            | 8                            | 30                           | -                            | -                             | -                      | -   | 4         | 15.7 kHz  |
| 2N929A | NPN  | TO-18   | 500                             | 60                       | 45                       | 6                        | 40/120                             | 0.5  | 10/0.5  | -                            | 6                            | 45                           | -                            | -                             | -                      | -   | 4         | 15.7 kHz  |
| 2N930  | NPN  | TO-18   | 300                             | 45                       | 45                       | 5                        | 100/300                            | 1.0  | 10/0.5  | -                            | 8                            | 30                           | -                            | -                             | -                      | -   | 3         | 15.7 kHz  |
| 2N930A | NPN  | TO-18   | 500                             | 60                       | 45                       | 6                        | 100/300                            | 0.5  | 10/0.5  | -                            | 6                            | 45                           | -                            | -                             | -                      | -   | 4         | (1.0 kHz) |
| 2N930B | NPN  | TO-18   | 500                             | 60                       | 45                       | 6                        | 100/300                            | 0.5  | 10/0.5  | -                            | 6                            | 45                           | -                            | -                             | -                      | -   | 3         | 15.7 kHz  |
| 2N956  | NPN  | TO-18   | 500                             | 75                       | 50*                      | 7                        | 100/300                            | 1.5  | 150/15  | -                            | 25                           | 70                           | -                            | -                             | -                      | -   | -         | -         |
| 2N957  | NPN  | TO-18   | 250                             | 40                       | 20                       | 5                        | 45/-                               | -  | -       | -                            | 6.0                          | 200                          | -                            | -                             | 10†                    | 100 | 7.5       | -         |
| 2N1131 | PNP  | TO-5    | 600                             | 50                       | 35                       | 5                        | 20/45                              | 1.5  | 150/15  | -                            | 45                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N1132 | PNP  | TO-5    | 600                             | 60                       | 35                       | 5                        | 30/90                              | 1.5  | 150/15  | -                            | 45                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N1420 | NPN  | TO-5    | 600                             | 60                       | 30*                      | 5                        | 100/300                            | 1.5  | 150/15  | -                            | 35                           | 50                           | -                            | -                             | -                      | -   | -         | -         |
| 2N1507 | NPN  | TO-5    | 600                             | 60                       | 30*                      | 5                        | 100/300                            | 1.5  | 150/15  | -                            | 35                           | 50                           | -                            | -                             | -                      | -   | -         | -         |



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| Device  | Type | Package | Maximum Ratings                 |                          |                          |                          | Electrical Characteristics @ 25 C |  |        |                              |                              |                              |                              |                               |                |     |           |     |  |  |
|---------|------|---------|---------------------------------|--------------------------|--------------------------|--------------------------|-----------------------------------|--|--------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|----------------|-----|-----------|-----|--|--|
|         |      |         | P <sub>D</sub><br>Ambient<br>mW | V <sub>CB</sub><br>Volts | V <sub>CE</sub><br>Volts | V <sub>EB</sub><br>Volts | h <sub>FE</sub><br>Min/Max        | V <sub>CE</sub> (Sat) @ I <sub>C</sub> /I <sub>B</sub> |        | C <sub>cb</sub><br>pF<br>Max | C <sub>ob</sub><br>pF<br>Max | f <sub>t</sub><br>MHz<br>Min | t <sub>ON</sub><br>ns<br>Max | t <sub>OFF</sub><br>ns<br>Max | Power Gain @ f |     | NF @ f    |     |  |  |
|         |      |         |                                 |                          |                          |                          |                                   | Volts  | mA/mA  |                              |                              |                              |                              |                               | dB<br>Min      | MHz | dB<br>Max | MHz |  |  |
| 2N1613  | NPN  | TO-5    | 800                             | 75                       | 50*                      | 7                        | 40/120                            | 1.5  | 150/15 | -                            | 25                           | 60                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N1613A | NPN  | TO-5    | 1000                            | 75                       | 50*                      | 7                        | 40/120                            | 1  | 150/15 | -                            | 25                           | 60                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N1613B | NPN  | TO-5    | 1000                            | 120                      | 50                       | 7                        | 40/120                            | 0.2  | 150/15 | -                            | 10                           | 60                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N1711  | NPN  | TO-5    | 800                             | 75                       | 50*                      | 7                        | 100/300                           | 1.5  | 150/15 | -                            | 25                           | 70                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N1711A | NPN  | TO-5    | 1000                            | 75                       | 50*                      | 7                        | 100/300                           | 1  | 150/15 | -                            | 25                           | 70                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N1711B | NPN  | TO-5    | 1000                            | 120                      | 50                       | 7                        | 100/300                           | 0.2  | 150/15 | -                            | 10                           | 70                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N1809  | NPN  | TO-5    | 800                             | 100                      | 60                       | 7                        | 40/120                            | 5  | 150/15 | -                            | 15                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N1890  | NPN  | TO-5    | 800                             | 100                      | 60                       | 7                        | 100/300                           | 5  | 150/15 | -                            | 15                           | 60                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N1893  | NPN  | TO-5    | 800                             | 120                      | 80                       | 7                        | 40/120                            | 5  | 150/15 | -                            | 15                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N1893A | NPN  | TO-5    | 800                             | 140                      | 80                       | 7                        | -40/120                           | 2  | 150/15 | -                            | 8                            | 100                          | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N1990  | NPN  | TO-5    | 600                             | 100                      |                          | 3                        | 20/-                              | 0.5  | 2/0.2  | -                            | 20                           | 40                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2102  | NPN  | TO-5    | 1000                            | 120                      | 65                       | 7                        | 40/120                            | 0.5  | 150/15 | -                            | 15                           | 60                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2102A | NPN  | TO-5    | 1000                            | 120                      | 65                       | 7                        | 40/120                            | 0.3  | 150/15 | -                            | 15                           | 60                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2192  | NPN  | TO-5    | 800                             | 60                       | 40                       | 5                        | 100/300                           | 0.35   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2192A | NPN  | TO-5    | 800                             | 60                       | 40                       | 5                        | 100/300                           | 0.25   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2192B | NPN  | TO-5    | 800                             | 60                       | 40                       | 5                        | 100/300                           | 0.18   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2193  | NPN  | TO-5    | 800                             | 80                       | 50                       | 8                        | 40/120                            | 0.35   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2193A | NPN  | TO-5    | 800                             | 80                       | 50                       | 8                        | 40/120                            | 0.25   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2193B | NPN  | TO-5    | 800                             | 80                       | 50                       | 8                        | 40/120                            | 0.18   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2194  | NPN  | TO-5    | 800                             | 60                       | 40                       | 5                        | 20/60                             | 0.35   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2194A | NPN  | TO-5    | 800                             | 60                       | 40                       | 5                        | 20/60                             | 0.25   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2194B | NPN  | TO-5    | 800                             | 60                       | 40                       | 5                        | 20/60                             | 0.18   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2195  | NPN  | TO-5    | 800                             | 45                       | 25                       | 5                        | 20/-                              | 0.35   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2195A | NPN  | TO-5    | 800                             | 45                       | 25                       | 5                        | 20/-                              | 0.25   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2195B | NPN  | TO-5    | 800                             | 45                       | 25                       | 5                        | 20/-                              | 0.18   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2205  | NPN  | TO-18   | 300                             | 25                       | 12                       | 3                        | 20/-                              | 0.35   | 50/5   | -                            | 6                            | 200                          | 40                           | 75                            | -              | -   | -         | -   |  |  |
| 2N2217  | NPN  | TO-5    | 800                             | 60                       | 30                       | 5                        | 20/60                             | 0.4  | 150/15 | -                            | 8                            | 250                          | 35†                          | 285†                          | -              | -   | -         | -   |  |  |
| 2N2218  | NPN  | TO-5    | 800                             | 60                       | 30                       | 5                        | 40/120                            | 1.6  | 500/50 | -                            | 8                            | 250                          | 35†                          | 285†                          | -              | -   | -         | -   |  |  |
| 2N2218A | NPN  | TO-5    | 800                             | 75                       | 40                       | 6                        | 40/120                            | 1.6  | 500/50 | -                            | 8                            | 250                          | 35                           | 285                           | -              | -   | -         | -   |  |  |
| 2N2219  | NPN  | TO-5    | 800                             | 60                       | 30                       | 5                        | 100/300                           | 1.6  | 500/50 | -                            | 8                            | 250                          | 35†                          | 285†                          | -              | -   | -         | -   |  |  |
| 2N2219A | NPN  | TO-5    | 800                             | 75                       | 40                       | 6                        | 100/300                           | 1.6  | 500/50 | -                            | 8                            | 300                          | 35                           | 285                           | -              | -   | -         | -   |  |  |
| 2N2220  | NPN  | TO-18   | 500                             | 60                       | 30                       | 5                        | 20/60                             | 0.4  | 150/15 | -                            | 8                            | 250                          | 35†                          | 285†                          | -              | -   | -         | -   |  |  |
| 2N2221  | NPN  | TO-18   | 500                             | 60                       | 30                       | 5                        | 40/120                            | 1.6  | 500/50 | -                            | 8                            | 250                          | 35†                          | 285†                          | -              | -   | -         | -   |  |  |
| 2N2221A | NPN  | TO-18   | 500                             | 75                       | 40                       | 6                        | 40/120                            | 1.6  | 500/50 | -                            | 8                            | 250                          | 35                           | 285                           | -              | -   | -         | -   |  |  |
| 2N2222  | NPN  | TO-18   | 500                             | 60                       | 30                       | 5                        | 100/300                           | 1.6  | 500/50 | -                            | 8                            | 250                          | 35†                          | 285†                          | -              | -   | -         | -   |  |  |
| 2N2222A | NPN  | TO-18   | 500                             | 75                       | 40                       | 6                        | 100/300                           | 1.6  | 500/50 | -                            | 8                            | 300                          | 35                           | 285                           | -              | -   | -         | -   |  |  |
| 2N2236  | NPN  | TO-5    | 600                             | 40                       | 20                       | 6                        | 15/60                             | 0.25   | 100/20 | -                            | 35                           | 50†                          | 30                           | 600                           | -              | -   | -         | -   |  |  |
| 2N2237  | NPN  | TO-5    | 600                             | 40                       | 20                       | 6                        | 40/125                            | 0.25   | 100/20 | -                            | 35                           | 50                           | 25                           | 600                           | -              | -   | -         | -   |  |  |
| 2N2243  | NPN  | TO-5    | 800                             | 120                      | 80                       | 7                        | 40/120                            | 0.35   | 150/15 | -                            | 15                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2243A | NPN  | TO-5    | 800                             | 120                      | 80                       | 7                        | 40/120                            | 0.25   | 150/15 | -                            | 15                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2270  | NPN  | TO-5    | 1000                            | 60                       | 45                       | 7                        | 50/200                            | 0.9  | 150/15 | -                            | 15                           | 100                          | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2297  | NPN  | TO-5    | 800                             | 80                       | 35                       | 7                        | 40/120                            | 0.2  | 150/15 | -                            | 12                           | 60                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2303  | PNP  | TO-5    | 600                             | 50                       | 35                       | 5                        | 75/200                            | 1.5  | 150/15 | -                            | 45                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2309  | NPN  | TO-5    | 600                             | 30                       | 30                       | 5                        | 25/125                            | -  | -      | -                            | 25                           | 40†                          | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2310  | NPN  | TO-46   | 350                             | 60                       | 60                       | 8                        | 12/36                             | 5  | 200/40 | -                            | 20†                          | 40†                          | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2311  | NPN  | TO-46   | 350                             | 100                      | 100                      | 8                        | 12/36                             | 5  | 200/40 | -                            | 20†                          | 40†                          | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2312  | NPN  | TO-46   | 350                             | 60                       | 60                       | 8                        | 30/90                             | 5  | 200/40 | -                            | 20†                          | 40†                          | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2313  | NPN  | TO-46   | 350                             | 100                      | 100                      | 8                        | 30/90                             | 5  | 200/40 | -                            | 20†                          | 40†                          | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2314  | NPN  | TO-46   | 350                             | 60                       | 40*                      | 5                        | 20/60                             | 5  | 150/15 | -                            | 35                           | 40                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2315  | NPN  | TO-46   | 350                             | 60                       | 40*                      | 5                        | 40/120                            | 1.5  | 150/15 | -                            | 35                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2316  | NPN  | TO-46   | 350                             | 120                      | 80*                      | 5                        | 40/120                            | 5.0  | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2317  | NPN  | TO-46   | 350                             | 75                       | 50*                      | 7                        | 40/120                            | 1.5  | 150/15 | -                            | 25                           | 60                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2350  | NPN  | TO-46   | 400                             | 60                       | 40                       | 5                        | 100/300                           | 0.35   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2350A | NPN  | TO-46   | 400                             | 60                       | 40                       | 5                        | 100/300                           | 0.25   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |
| 2N2351  | NPN  | TO-46   | 400                             | 80                       | 50                       | 8                        | 40/120                            | 0.35   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -   |  |  |

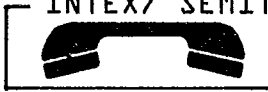
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devices

Semitronics Corp.

## metal can transistors cont'd

## silicon small signal transistors

| Device  | Type | Package | Maximum Ratings                 |                          |                          |                          | Electrical Characteristics @ 25 °C |  |        |                              |                              |                              |                              |                               |                |     |           |          |
|---------|------|---------|---------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|--|--------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|----------------|-----|-----------|----------|
|         |      |         | P <sub>D</sub><br>Ambient<br>mW | V <sub>CB</sub><br>Volts | V <sub>CE</sub><br>Volts | V <sub>EB</sub><br>Volts | h <sub>FE</sub><br>Min/Max         | V <sub>CE</sub> (Sat) @ I <sub>C</sub> /I <sub>B</sub> |        | C <sub>cb</sub><br>pF<br>Max | C <sub>ob</sub><br>pF<br>Max | f <sub>t</sub><br>MHz<br>Min | t <sub>ON</sub><br>ns<br>Max | t <sub>OFF</sub><br>ns<br>Max | Power Gain @ f |     | NF @ f    |          |
|         |      |         |                                 |                          |                          |                          |                                    | Volts  | mA/mA  |                              |                              |                              |                              |                               | dB<br>Min      | MHz | dB<br>Max | MHz      |
| 2N2351A | NPN  | TO-46   | 400                             | 80                       | 50                       | 8                        | 40/120                             | 0.25   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -        |
| 2N2352  | NPN  | TO-46   | 400                             | 60                       | 40                       | 5                        | 20/60                              | 0.35   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -        |
| 2N2352A | NPN  | TO-46   | 400                             | 60                       | 40                       | 5                        | 20/60                              | 0.25   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -        |
| 2N2353  | NPN  | TO-46   | 350                             | 45                       | 25                       | 5                        | 20/-                               | 0.35   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -        |
| 2N2353A | NPN  | TO-46   | 350                             | 45                       | 25                       | 5                        | 20/-                               | 0.25   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -        |
| 2N2364  | NPN  | TO-46   | 400                             | 120                      | 80                       | 7                        | 40/120                             | 0.35   | 150/15 | -                            | 15                           | 50                           | -                            | -                             | -              | -   | -         | -        |
| 2N2364A | NPN  | TO-46   | 400                             | 120                      | 80                       | 7                        | 40/120                             | 0.25   | 150/15 | -                            | 15                           | 50                           | -                            | -                             | -              | -   | -         | -        |
| 2N2368  | NPN  | TO-18   | 360                             | 40                       | 15                       | 4.5                      | 20/60                              | 0.6  | 100/10 | -                            | 4                            | 400                          | 12                           | 15                            | -              | -   | -         | -        |
| 2N2369  | NPN  | TO-18   | 360                             | 40                       | 15                       | 4.5                      | 40/120                             | 0.6  | 100/10 | -                            | 4                            | 500                          | 12                           | 18                            | -              | -   | -         | -        |
| 2N2369A | NPN  | TO-18   | 360                             | 40                       | 15                       | 4.5                      | 40/120                             | 0.5  | 100/10 | -                            | 4                            | 500                          | 12                           | 18                            | -              | -   | -         | -        |
| 2N2380  | NPN  | TO-5    | 600                             | 80                       | 40                       | 5                        | 20/120                             | 1.3  | 150/15 | -                            | 14                           | 100                          | 125                          | 195                           | -              | -   | -         | -        |
| 2N2380A | NPN  | TO-5    | 600                             | 80                       | 40                       | 5                        | 20/120                             | 1.3  | 150/15 | -                            | 14                           | 100                          | 125                          | 195                           | -              | -   | -         | -        |
| 2N2405  | NPN  | TO-5    | 1000                            | 120                      | 90                       | 7                        | 60/200                             | 0.5  | 150/15 | -                            | 15                           | 401                          | -                            | -                             | -              | -   | -         | -        |
| 2N2479  | NPN  | TO-5    | 600                             | 80                       | 40                       | 5                        | 30/120                             | 0.85   | 150/15 | -                            | 14                           | 150                          | 100                          | 185                           | -              | -   | -         | -        |
| 2N2481  | NPN  | TO-18   | 360                             | 40                       | 15                       | 5                        | 40/120                             | 0.4  | 100/10 | -                            | 5                            | 300                          | 40                           | 55                            | -              | -   | -         | -        |
| 2N2483  | NPN  | TO-18   | 360                             | 60                       | 60                       | 6                        | 40/120                             | 0.35   | 1/0.1  | -                            | 6                            | 60                           | -                            | -                             | -              | -   | 4         | 15.7 kHz |
| 2N2484  | NPN  | TO-18   | 360                             | 60                       | 60                       | 6                        | 100/300                            | 0.35   | 1/0.1  | -                            | 6                            | 60                           | -                            | -                             | -              | -   | 3         | 15.7 kHz |
| 2N2484A | NPN  | TO-18   | 360                             | 60                       | 60                       | 6                        | 100/500                            | 0.35   | 1/0.1  | -                            | 6                            | 60                           | -                            | -                             | -              | -   | 2         | 10.0 kHz |
| 2N2509  | NPN  | TO-18   | 360                             | 125                      | 80                       | 7                        | 25/-                               | 1.0  | 5/0.5  | -                            | 6                            | 45                           | -                            | -                             | -              | -   | 7         | 1.0 kHz  |
| 2N2510  | NPN  | TO-18   | 360                             | 100                      | 65                       | 7                        | 150/500                            | 1.0  | 5/0.5  | -                            | 6                            | 45                           | -                            | -                             | -              | -   | 4         | 1.0 kHz  |
| 2N2511  | NPN  | TO-18   | 360                             | 80                       | 50                       | 7                        | 240/750                            | 1.0  | 5/0.5  | -                            | 6                            | 45                           | -                            | -                             | -              | -   | 4         | 1.0 kHz  |
| 2N2586  | NPN  | TO-18   | 300                             | 60                       | 45                       | 6                        | 120/360                            | 0.5  | 5/0.5  | -                            | 7                            | 45                           | -                            | -                             | -              | -   | 2         | 1.0 kHz  |
| 2N2604  | PNP  | TO-46   | 400                             | 60                       | 45                       | 6                        | 40/120                             | 0.5  | 10/0.5 | -                            | 6                            | 30                           | -                            | -                             | -              | -   | 4         | 15.7 kHz |
| 2N2605  | PNP  | TO-46   | 400                             | 60                       | 45                       | 6                        | 100/300                            | 0.5  | 10/0.5 | -                            | 6                            | 30                           | -                            | -                             | -              | -   | 4         | 15.7 kHz |
| 2N2645  | NPN  | TO-5    | 1000                            | 120                      | 90                       | 7                        | 60/200                             | 0.5  | 150/15 | -                            | 15                           | 40                           | -                            | -                             | -              | -   | -         | -        |
| 2N2695  | PNP  | TO-46   | 360                             | 25                       | 25                       | 4                        | 30/130                             | 1.0  | 300/30 | -                            | 20                           | 100                          | 75                           | 170                           | -              | -   | -         | -        |
| 2N2696  | PNP  | TO-18   | 360                             | 25                       | 25                       | 4                        | 30/130                             | 1.0  | 300/30 | -                            | 20                           | 100                          | 75                           | 170                           | -              | -   | -         | -        |
| 2N2708  | NPN  | TO-72   | 200                             | 35                       | 20                       | 3                        | 30/200                             | -  | -      | -                            | 1                            | 700                          | -                            | -                             | 15             | 200 | 7.5       | 200      |
| 2N2800  | PNP  | TO-5    | 800                             | 50                       | 35                       | 5                        | 30/90                              | 1.2  | 500/50 | -                            | 25                           | 120                          | 70                           | 270                           | -              | -   | -         | -        |
| 2N2801  | PNP  | TO-5    | 800                             | 50                       | 35                       | 5                        | 75/225                             | 1.2  | 500/50 | -                            | 25                           | 120                          | 70                           | 270                           | -              | -   | -         | -        |
| 2N2837  | PNP  | TO-18   | 500                             | 50                       | 35                       | 5                        | 30/90                              | 1.2  | 500/50 | -                            | 25                           | 120                          | 70                           | 270                           | -              | -   | -         | -        |
| 2N2838  | PNP  | TO-18   | 500                             | 50                       | 35                       | 5                        | 75/225                             | 1.2  | 500/50 | -                            | 25                           | 120                          | 70                           | 270                           | -              | -   | -         | -        |
| 2N2861  | PNP  | TO-18   | 300                             | 25                       | 20                       | 5                        | 30/120                             | 0.2  | 10/1   | -                            | 6                            | 200                          | -                            | -                             | -              | -   | 3         | 10       |
| 2N2862  | PNP  | TO-18   | 300                             | 25                       | 20                       | 5                        | 12/120                             | 0.2  | 10/1   | -                            | 6                            | 150                          | -                            | -                             | -              | -   | 4         | 10       |
| 2N2865  | NPN  | TO-72   | 200                             | 25                       | 13                       | 3                        | 20/200                             | -  | -      | -                            | 2.5                          | 600                          | -                            | -                             | 16.5           | 200 | 4.5       | 200      |
| 2N2868  | NPN  | TO-5    | 800                             | 60                       | 40                       | 7                        | 40/120                             | 0.25   | 150/15 | -                            | 20                           | 50                           | -                            | -                             | -              | -   | -         | -        |
| 2N2894  | PNP  | TO-18   | 1200                            | 12                       | 12                       | 4                        | 40/150                             | 0.15   | 10/1   | -                            | -                            | -                            | 60                           | 90                            | -              | -   | -         | -        |
| 2N2895  | NPN  | TO-18   | 500                             | 120                      | 65                       | 7                        | 40/120                             | 0.5  | 500/50 | -                            | 15                           | 120                          | -                            | -                             | -              | -   | -         | -        |
| 2N2896  | NPN  | TO-18   | 500                             | 140                      | 90                       | 7                        | 60/200                             | 0.5  | 500/50 | -                            | 15                           | 120                          | -                            | -                             | -              | -   | -         | -        |
| 2N2897  | NPN  | TO-18   | 500                             | 60                       | 45                       | 7                        | 50/200                             | 0.5  | 500/50 | -                            | 15                           | 100                          | -                            | -                             | -              | -   | -         | -        |
| 2N2898  | NPN  | TO-46   | 500                             | 120                      | 65                       | 7                        | 40/120                             | 0.5  | 500/50 | -                            | 15                           | 120                          | -                            | -                             | -              | -   | -         | -        |
| 2N2899  | NPN  | TO-46   | 500                             | 140                      | 90                       | 7                        | 60/200                             | 0.5  | 500/50 | -                            | 15                           | 120                          | -                            | -                             | -              | -   | -         | -        |
| 2N2900  | NPN  | TO-46   | 500                             | 60                       | 45                       | 7                        | 50/200                             | 0.5  | 500/50 | -                            | 15                           | 100                          | -                            | -                             | -              | -   | -         | -        |
| 2N2904  | PNP  | TO-5    | 600                             | 60                       | 40                       | 5                        | 40/120                             | 1.6  | 500/50 | -                            | 8                            | 200                          | 45                           | 100                           | -              | -   | -         | -        |
| 2N2904A | PNP  | TO-5    | 600                             | 60                       | 60                       | 5                        | 40/120                             | 1.6  | 500/90 | -                            | 8                            | 200                          | 45                           | 100                           | -              | -   | -         | -        |
| 2N2905  | PNP  | TO-5    | 600                             | 60                       | 40                       | 5                        | 100/300                            | 1.6  | 500/50 | -                            | 8                            | 200                          | 45                           | 100                           | -              | -   | -         | -        |
| 2N2905A | PNP  | TO-5    | 600                             | 60                       | 60                       | 5                        | 100/300                            | 1.6  | 500/50 | -                            | 8                            | 200                          | 45                           | 100                           | -              | -   | -         | -        |
| 2N2906  | PNP  | TO-18   | 400                             | 60                       | 40                       | 5                        | 40/120                             | 1.6  | 500/50 | -                            | 8                            | 200                          | 45                           | 100                           | -              | -   | -         | -        |
| 2N2906A | PNP  | TO-18   | 400                             | 60                       | 60                       | 5                        | 40/120                             | 1.6  | 500/50 | -                            | 8                            | 200                          | 45                           | 100                           | -              | -   | -         | -        |
| 2N2907  | PNP  | TO-18   | 400                             | 60                       | 40                       | 5                        | 100/300                            | 1.6  | 500/50 | -                            | 8                            | 200                          | 45                           | 100                           | -              | -   | -         | -        |
| 2N2907A | PNP  | TO-18   | 400                             | 60                       | 60                       | 5                        | 100/300                            | 1.6  | 500/50 | -                            | 8                            | 200                          | 45                           | 100                           | -              | -   | -         | -        |
| 2N2958  | NPN  | TO-18   | 600                             | 60                       | 20                       | 5                        | 40/120                             | 0.5  | 150/15 | -                            | 8                            | 250                          | 95                           | 500                           | -              | -   | -         | -        |
| 2N2959  | NPN  | TO-5    | 600                             | 60                       | 20                       | 5                        | 100/300                            | 0.5  | 150/15 | -                            | 8                            | 250                          | 95                           | 500                           | -              | -   | -         | -        |
| 2N2960  | NPN  | TO-5    | 600                             | 60                       | 30                       | 5                        | 100/300                            | 0.5  | 150/50 | -                            | 8                            | 250                          | 95                           | 500                           | -              | -   | -         | -        |
| 2N2961  | NPN  | TO-5    | 600                             | 60                       | 30                       | 5                        | 100/300                            | 2.0  | 500/50 | -                            | 8                            | 250                          | 95                           | 500                           | -              | -   | -         | -        |
| 2N3010  | NPN  | TO-18   | 300                             | 15                       | 6                        | 4                        | 25/125                             | 0.38   | 30/3   | -                            | 3                            | 600                          | 12                           | 12                            | -              | -   | -         | -        |
| 2N3011  | NPN  | TO-18   | 360                             | 30                       | 12                       | 5                        | 30/120                             | 0.5  | 100/10 | -                            | 4                            | 400                          | 15                           | 20                            | -              | -   | -         | -        |
| 2N3012  | PNP  | TO-18   | 360                             | 12                       | 12                       | 4                        | 20/-                               | 0.15   | 10/1   | -                            | 6                            | -                            | 60                           | 75                            | -              | -   | -         | -        |
| 2N3019  | NPN  | TO-5    | 800                             | 140                      | 80                       | 7                        | 100/300                            | 0.2  | 150/15 | -                            | 12                           | 100                          | -                            | -                             | -              | -   | -         | -        |
| 2N3020  | NPN  | TO-5    | 800                             | 140                      | 80                       | 7                        | 40/120                             | 0.2  | 150/15 | -                            | 12                           | 100                          | -                            | -                             | -              | -   | -         | -        |
| 2N3036  | NPN  | TO-5    | 800                             | 120                      | 80                       | 7                        | 50/150                             | 0.25   | 150/15 | -                            | 15                           | 50                           | -                            | -                             | -              | -   | -         | -        |



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| Device  | Type | Package | Maximum Ratings                 |                          |                          |                          | Electrical Characteristics @ 25 °C |  |          |                              |                              |                              |                              |                               |                |     |           |          |
|---------|------|---------|---------------------------------|--------------------------|--------------------------|--------------------------|------------------------------------|--|----------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|----------------|-----|-----------|----------|
|         |      |         | P <sub>D</sub><br>Ambient<br>mW | V <sub>CB</sub><br>Volts | V <sub>CE</sub><br>Volts | V <sub>EB</sub><br>Volts | h <sub>FE</sub><br>Min/Max         | V <sub>CE</sub> (Sat) @ I <sub>C</sub> /I <sub>B</sub> |          | C <sub>cb</sub><br>pF<br>Max | C <sub>ob</sub><br>pF<br>Max | f <sub>t</sub><br>MHz<br>Min | t <sub>ON</sub><br>ns<br>Max | t <sub>OFF</sub><br>ns<br>Max | Power Gain @ f |     | NF @ f    |          |
|         |      |         |                                 |                          |                          |                          |                                    | Volts  | mA/mA    |                              |                              |                              |                              |                               | dB<br>Min      | MHz | dB<br>Max | MHz      |
| 2N3056  | NPN  | TO-46   | 400                             | 100                      | 60                       | 7                        | 40/120                             | 0.25   | 150/15   | -                            | 12                           | 80                           | -                            | -                             | -              | -   | -         | -        |
| 2N3056A | NPN  | TO-46   | 400                             | 140                      | 80                       | 7                        | 40/120                             | 0.2  | 150/15   | -                            | 12                           | 80                           | -                            | -                             | -              | -   | -         | -        |
| 2N3067  | NPN  | TO-46   | 400                             | 100                      | 60                       | 7                        | 100/300                            | 0.25   | 150/15   | -                            | 12                           | 100                          | -                            | -                             | -              | -   | -         | -        |
| 2N3057A | NPN  | TO-46   | 400                             | 140                      | 80                       | 7                        | 100/300                            | 0.2  | 150/15   | -                            | 12                           | 100                          | -                            | -                             | -              | -   | -         | -        |
| 2N3072  | PNP  | TO-5    | 800                             | 60                       | 60                       | 4                        | 30/130                             | 1.0  | 300/30   | -                            | 10                           | 130                          | 40                           | 100                           | -              | -   | -         | -        |
| 2N3073  | PNP  | TO-18   | 360                             | 60                       | 60                       | 4                        | 30/130                             | 1.0  | 300/30   | -                            | 10                           | 130                          | 40                           | 100                           | -              | -   | -         | -        |
| 2N3081  | PNP  | TO-5    | 600                             | 70                       | 60                       | 6                        | 30/90                              | 1.4  | 500/50   | -                            | 13                           | 150                          | 60                           | 175                           | -              | -   | -         | -        |
| 2N3107  | NPN  | TO-46   | 800                             | 100                      | 60                       | 7                        | 100/300                            | 0.25   | 150/15   | -                            | 20                           | 70                           | -                            | -                             | -              | -   | -         | -        |
| 2N3108  | NPN  | TO-5    | 800                             | 100                      | 60                       | 7                        | 40/120                             | 0.25   | 150/15   | -                            | 20                           | 60                           | -                            | -                             | -              | -   | -         | -        |
| 2N3109  | NPN  | TO-5    | 800                             | 80                       | 40                       | 7                        | 100/300                            | 0.25   | 150/15   | -                            | 25                           | 70                           | -                            | -                             | -              | -   | -         | -        |
| 2N3110  | NPN  | TO-5    | 600                             | 100                      | 40                       | 7                        | 40/120                             | 0.25   | 150/15   | -                            | 25                           | 60                           | -                            | -                             | -              | -   | -         | -        |
| 2N3115  | NPN  | TO-18   | 400                             | 60                       | 20                       | 5                        | 40/120                             | 0.5  | 150/15   | -                            | 8                            | 250                          | 95                           | 500                           | -              | -   | -         | -        |
| 2N3118  | NPN  | TO-18   | 400                             | 60                       | 20                       | 5                        | 100/300                            | 0.5  | 150/15   | -                            | 8                            | 250                          | 95                           | 500                           | -              | -   | -         | -        |
| 2N3117  | NPN  | TO-18   | 360                             | 60                       | 60                       | 6                        | 250/500                            | 0.35   | 1/0.1    | -                            | 4.5                          | 60                           | -                            | -                             | -              | 1   | 10        |          |
| 2N3120  | PNP  | TO-5    | 800                             | 45                       | 45                       | 4                        | 30/130                             | 1.0  | 500/50   | -                            | 10                           | 130                          | 40                           | 100                           | -              | -   | -         | -        |
| 2N3121  | PNP  | TO-18   | 360                             | 45                       | 45                       | 4                        | 30/130                             | 1.0  | 500/50   | -                            | 10                           | 130                          | 40                           | 100                           | -              | -   | -         | -        |
| 2N3122  | NPN  | TO-5    | 800                             | 50                       | 30                       | 5                        | 25/100                             | 1.5  | 300/30   | -                            | 25                           | 60                           | -                            | -                             | -              | -   | -         | -        |
| 2N3133  | PNP  | TO-5    | 600                             | 50                       | 35                       | 4                        | 40/120                             | 0.6  | 150/15   | -                            | 10                           | 200                          | 75                           | 150                           | -              | -   | -         | -        |
| 2N3134  | PNP  | TO-5    | 600                             | 50                       | 35                       | 4                        | 100/300                            | 0.6  | 150/15   | -                            | 10                           | 200                          | 75                           | 150                           | -              | -   | -         | -        |
| 2N3135  | PNP  | TO-18   | 400                             | 50                       | 35                       | 4                        | 40/120                             | 0.6  | 150/15   | -                            | 10                           | 200                          | 75                           | 150                           | -              | -   | -         | -        |
| 2N3136  | PNP  | TO-18   | 400                             | 50                       | 35                       | 4                        | 100/100                            | 0.6  | 150/15   | -                            | 10                           | 200                          | 75                           | 150                           | -              | -   | -         | -        |
| 2N3137  | NPN  | TO-5    | 800                             | 40                       | 20                       | 4                        | 20/120                             | 0.3  | 50/5     | -                            | 3.5                          | -                            | -                            | -                             | 6              | 250 | -         | -        |
| 2N3209  | PNP  | TO-18   | 360                             | 20                       | 20                       | 4                        | 30/120                             | 0.15   | 10/1     | -                            | 5                            | 400                          | 60                           | 90                            | -              | -   | -         | -        |
| 2N3210  | NPN  | TO-18   | 360                             | 40                       | 15                       | 5                        | 30/120                             | 0.5  | 100/10   | -                            | 4                            | 400                          | 15                           | 20                            | -              | -   | -         | -        |
| 2N3227  | NPN  | TO-18   | 360                             | 40                       | 20                       | 6                        | 30/120                             | 0.75   | 200/20   | -                            | 6                            | 300                          | 40                           | 40                            | -              | -   | -         | -        |
| 2N3250  | PNP  | TO-18   | 360                             | 50                       | 40                       | 5                        | 50/150                             | 0.5  | 50/5     | -                            | 6                            | 250                          | 70                           | 225                           | -              | -   | -         | -        |
| 2N3250A | PNP  | TO-18   | 360                             | 60                       | 60                       | 5                        | 50/150                             | 0.5  | 50/5     | -                            | 6                            | 250                          | 70                           | 225                           | -              | -   | -         | -        |
| 2N3251  | PNP  | TO-18   | 360                             | 50                       | 40                       | 5                        | 100/300                            | 0.5  | 50/5     | -                            | 6                            | 300                          | 70                           | 250                           | -              | -   | -         | -        |
| 2N3251A | PNP  | TO-18   | 360                             | 60                       | 60                       | 5                        | 100/300                            | 0.5  | 50/5     | -                            | 6                            | 300                          | 70                           | 250                           | -              | -   | -         | -        |
| 2N3299  | NPN  | TO-5    | 800                             | 60                       | 30                       | 5                        | 40/120                             | 0.6  | 500/50   | -                            | 8                            | 250                          | 60                           | 150                           | -              | -   | -         | -        |
| 2N3300  | NPN  | TO-5    | 800                             | 60                       | 30                       | 5                        | 100/300                            | 0.6  | 500/50   | -                            | 8                            | 250                          | 60                           | 150                           | -              | -   | -         | -        |
| 2N3301  | NPN  | TO-18   | 360                             | 60                       | 30                       | 5                        | 40/120                             | 0.6  | 500/50   | -                            | 8                            | 250                          | 60                           | 150                           | -              | -   | -         | -        |
| 2N3302  | NPN  | TO-18   | 360                             | 60                       | 30                       | 5                        | 100/300                            | 0.6  | 500/50   | -                            | 8                            | 250                          | 60                           | 150                           | -              | -   | -         | -        |
| 2N3304  | PNP  | TO-18   | 300                             | 6                        | 6                        | 4                        | 12/-                               | 0.5  | 50/5     | -                            | 3.5                          | 500                          | 60                           | 60                            | -              | -   | -         | -        |
| 2N3326  | NPN  | TO-5    | 800                             | 60                       | 45                       | 5                        | 40/120                             | 1.6  | 500/50   | -                            | 8                            | 250                          | 45                           | 340                           | -              | -   | -         | -        |
| 2N3388  | NPN  | TO-5    | 600                             | 125                      | 100                      | 6                        | 60/-                               | 1.0  | 2.5/0.5  | -                            | 35                           | 36                           | -                            | -                             | -              | -   | -         | -        |
| 2N3485  | PNP  | TO-46   | 360                             | 60                       | 40                       | 5                        | 40/120                             | 1.6  | 500/50   | -                            | 8                            | 200                          | 50                           | 110                           | -              | -   | -         | -        |
| 2N3485A | PNP  | TO-46   | 360                             | 60                       | 60                       | 5                        | 40/120                             | 1.6  | 500/50   | -                            | 8                            | 200                          | 50                           | 110                           | -              | -   | -         | -        |
| 2N3486  | PNP  | TO-46   | 360                             | 60                       | 40                       | 5                        | 100/300                            | 1.6  | 500/50   | -                            | 8                            | 200                          | 50                           | 110                           | -              | -   | -         | -        |
| 2N3486A | PNP  | TO-46   | 360                             | 60                       | 60                       | 5                        | 100/300                            | 1.6  | 500/50   | -                            | 8                            | 200                          | 50                           | 110                           | -              | -   | -         | -        |
| 2N3502  | PNP  | TO-5    | 700                             | 45                       | 45                       | 5                        | 100/300                            | 1.6  | 500/50   | -                            | 8                            | 200                          | 40                           | 100                           | -              | -   | -         | -        |
| 2N3503  | PNP  | TO-5    | 700                             | 60                       | 60                       | 5                        | 100/300                            | 1.6  | 500/50   | -                            | 8                            | 200                          | 40                           | 100                           | -              | -   | -         | -        |
| 2N3504  | PNP  | TO-18   | 400                             | 45                       | 45                       | 5                        | 100/300                            | 1.6  | 500/50   | -                            | 8                            | 200                          | 40                           | 100                           | -              | -   | -         | -        |
| 2N3505  | PNP  | TO-18   | 400                             | 60                       | 60                       | 5                        | 100/300                            | 1.6  | 500/50   | -                            | 8                            | 200                          | 40                           | 100                           | -              | -   | -         | -        |
| 2N3671  | PNP  | TO-5    | 600                             | 60                       | 50                       | 5                        | 75/225                             | 1.6  | 500/50   | -                            | 9                            | 200                          | 50                           | 110                           | -              | -   | -         | -        |
| 2N3672  | PNP  | TO-18   | 400                             | 60                       | 50                       | 5                        | 75/225                             | 1.6  | 500/50   | -                            | 9                            | 200                          | 50                           | 110                           | -              | -   | -         | -        |
| 2N3673  | PNP  | TO-46   | 350                             | 60                       | 50                       | 5                        | 75/225                             | 1.6  | 500/50   | -                            | 9                            | 200                          | 50                           | 110                           | -              | -   | -         | -        |
| 2N3700  | NPN  | TO-18   | 500                             | 140                      | 80                       | 7                        | 100/300                            | 0.2  | 150/15   | -                            | 12                           | 100                          | -                            | -                             | -              | -   | -         | -        |
| 2N3701  | NPN  | TO-18   | 500                             | 140                      | 80                       | 7                        | 40/120                             | 0.2  | 150/15   | -                            | 12                           | 80                           | -                            | -                             | -              | -   | -         | -        |
| 2N3725  | NPN  | TO-5    | 1000                            | 80                       | 50                       | 6                        | 60/150                             | 0.95   | 1000/100 | -                            | 10                           | 300                          | 35                           | 60                            | -              | -   | -         | -        |
| 2N3725A | NPN  | TO-5    | 1000                            | 80                       | 50                       | 6                        | 60/150                             | 0.95   | 1000/100 | -                            | 10                           | 300                          | 35                           | 60                            | -              | -   | -         | -        |
| 2N3947  | NPN  | TO-18   | 1200                            | 60                       | 40                       | 6                        | 100/300                            | 0.2  | 10/1     | -                            | 4                            | 300                          | -                            | -                             | -              | -   | 5         | 15.7 kHz |
| 2N4080  | PNP  | TO-72   | 200                             | 20                       | 15                       | 3                        | 20/-                               | -  | -        | -                            | 1.7                          | 1000                         | -                            | -                             | 15             | 200 | 6         | 200      |
| 2N4137  | NPN  | TO-18   | 360                             | 40                       | 10                       | 4.5                      | 40/120                             | 0.5  | 100/10   | -                            | 5                            | 500                          | 12                           | 12                            | -              | -   | -         | -        |
| 2N4207  | PNP  | TO-18   | 350                             | 6                        | 6                        | 4.5                      | 50/120                             | 0.15   | 10/1     | -                            | 3                            | -                            | 15                           | 15                            | -              | -   | -         | -        |
| 2N4208  | PNP  | TO-18   | 350                             | 12                       | 12                       | 4.5                      | 30/120                             | 0.15   | 10/1     | -                            | 3                            | -                            | 15                           | 20                            | -              | -   | -         | -        |
| 2N4209  | PNP  | TO-18   | 350                             | 15                       | 15                       | 4.5                      | 50/120                             | 0.18   | 10/1     | -                            | 3                            | -                            | 15                           | 20                            | -              | -   | -         | -        |
| 2N4872  | PNP  | TO-18   | 300                             | 12                       | 12                       | 4.5                      | 50/120                             | 0.15   | 10/1     | -                            | 3                            | -                            | 15                           | 20                            | -              | -   | -         | -        |
| 2N5056  | PNP  | TO-18   | 360                             | 15                       | 15                       | 4.5                      | 20/-                               | 0.13   | 10/1     | -                            | 4.5                          | -                            | 20                           | 35                            | -              | -   | -         | -        |
| 2N5057  | PNP  | TO-18   | 360                             | 15                       | 15                       | 4.5                      | 30/-                               | 0.13   | 10/1     | -                            | 4.5                          | -                            | 20                           | 35                            | -              | -   | -         | -        |