

SEMICONDUCTOR TECHNOLOGY, INC.

SILICON DUAL DIFFERENTIAL

AMPLIFIER TRANSISTORS

3131 S.E. Jay Street
 Stuart, Florida 34997
 (407) 283-4500 • TWX - 510-953-7511
 FAX 407-286-8914

| STI Type | Polarity | Power Dissipation (Total) @25°C (Min.) MW | V _{CE0} (volts) | h _{FE} @ I _C | | | MATCHING | | TRACKING μ V/°C (Max.) | CASE STYLE |
|-----------|----------|---|--------------------------|----------------------------------|--------|-----|---------------------|----------------------|----------------------------|------------|
| | | | | (Min.) | (Max.) | mA | h _{FE} (%) | V _{BE} (MV) | | |
| 2N3809 | PNP | 1200 | 60 | 300 | 900 | .10 | 10 | 8.0 | 20 | TO-78 |
| 2N3810A | PNP | 1200 | 60 | 150 | 450 | .10 | 10 | 5.0 | 5.0 | TO-78 |
| 2N3811A | PNP | 1200 | 60 | 300 | 900 | .10 | 10 | 5.0 | 5.0 | TO-78 |
| 2N3838/78 | NPN | 1600 | 40 | 100 | 300 | 150 | — | — | — | TO-78 |
| 2N3907 | NPN | 1200 | 45 | 75 | 500 | .10 | 10 | 1.0 | 5.0 | TO-78 |
| 2N3908 | NPN | 1200 | 60 | 125 | 500 | .10 | 10 | 1.0 | 5.0 | TO-78 |
| 2N4015 | PNP | 1400 | 60 | 200 | 600 | 50 | 10 | 5.0 | 20 | TO-78 |
| 2N4016 | PNP | 1400 | 60 | 200 | 600 | 50 | 10 | 2.5 | 10 | TO-78 |
| 2N4021 | PNP | 1300 | 60 | 100 | 350 | .01 | 20 | 5.0 | 20 | TO-77 |
| 2N4023 | PNP | 1300 | 45 | 250 | 600 | .01 | 10 | 3.0 | 10 | TO-77 |
| 2N4100 | NPN | 1300 | 55 | 150 | 600 | .10 | 15 | 5.0 | 5.0 | TO-78 |
| 2N4854* | NPN | 2000 | 40 | 100 | 300 | 150 | — | — | — | TO-78 |
| 2N4855* | NPN | 2000 | 40 | 40 | 120 | 150 | — | — | — | TO-78 |
| 2N4878 | NPN | 500 | 60 | 200 | 600 | .10 | 10 | 3.0 | 3.0 | TO-71 |
| 2N4879 | NPN | 500 | 55 | 150 | 600 | .10 | 15 | 5.0 | 5.0 | TO-71 |
| 2N4880 | NPN | 500 | 45 | 80 | 800 | .10 | 20 | 5.0 | 10 | TO-71 |
| 2N4937 | PNP | 2000 | 40 | 40 | 200 | .10 | 10 | 3.0 | 10 | TO-78 |
| 2N4938 | PNP | 2000 | 40 | 40 | 200 | .10 | 20 | 5.0 | 20 | TO-78 |
| 2N4956 | NPN | 1300 | 30 | 60 | 600 | .01 | 20 | 10 | 20 | TO-77 |
| 2N5117 | PNP | 750 | 45 | 100 | — | .01 | 10 | 3.0 | 3.0 | TO-78 |
| 2N5118 | PNP | 750 | 45 | 100 | — | .01 | 15 | 5.0 | 5.0 | TO-78 |
| 2N5119 | PNP | 750 | 45 | 50 | — | .01 | 20 | 5.0 | 10 | TO-78 |
| 2N5120 | PNP | 500 | 45 | 100 | — | .50 | 10 | 3.0 | 3.0 | TO-71 |
| 2N5121 | PNP | 500 | 45 | 100 | — | .50 | 15 | 5.0 | 5.0 | TO-71 |
| 2N5122 | PNP | 500 | 45 | 50 | — | .50 | 20 | 5.0 | 5.0 | TO-71 |
| 2N5255 | PNP | 600 | 40 | 150 | 750 | .01 | 20 | 5.0 | 20 | TO-78 |
| 2N5256 | PNP | 600 | 40 | 150 | 750 | .01 | 10 | 3.0 | 10 | TO-78 |
| 2N5793 | NPN | 2000 | 40 | 40 | 120 | 150 | — | — | — | TO-78 |
| 2N5794 | NPN | 2000 | 40 | 100 | 300 | 150 | — | — | — | TO-78 |
| 2N5795 | PNP | 2000 | 60 | 40 | 120 | 150 | — | — | — | TO-78 |
| 2N5796 | PNP | 2000 | 60 | 100 | 300 | 150 | — | — | — | TO-78 |
| 2N5843 | PNP | 1200 | 40 | 50 | 150 | .10 | 5.0 | 2.0 | 8.0 | TO-78 |
| 2N5844 | PNP | 1200 | 40 | 100 | 30 | .10 | 5.0 | 2.0 | 8.0 | TO-78 |
| 2N6085 | NPN | 1500 | 45 | 60 | 240 | .10 | — | — | — | TO-78 |
| 2N6086 | NPN | 1500 | 45 | 150 | 600 | .01 | — | — | — | TO-78 |
| 2N6087 | NPN | 1500 | 45 | 60 | 240 | .01 | 10 | 3.0 | 10 | TO-78 |
| 2N6088 | NPN | 1500 | 45 | 150 | 600 | .01 | 10 | 3.0 | 10 | TO-78 |
| 2N6089 | NPN | 1500 | 45 | 60 | 240 | .01 | 20 | 5.0 | 20 | TO-78 |
| 2N6090 | NPN | 1500 | 45 | 150 | 600 | .01 | 20 | 5.0 | 20 | TO-78 |
| 2N6091 | NPN | 1500 | 60 | 60 | 240 | .01 | 10 | 3.0 | 10 | TO-78 |
| 2N6092 | NPN | 1500 | 60 | 150 | 600 | .01 | 10 | 3.0 | 10 | TO-78 |
| 2N6441 | NPN | 1440 | 45 | 60 | 240 | .01 | 40 | 10 | 40 | TO-78 |
| 2N6442 | NPN | 1440 | 45 | 120 | 600 | .01 | 40 | 10 | 20 | TO-78 |
| 2N6443 | NPN | 1440 | 45 | 60 | 240 | .01 | 20 | 5.0 | 20 | TO-78 |
| 2N6444 | NPN | 1440 | 45 | 120 | 600 | .01 | 20 | 5.0 | 20 | TO-78 |
| 2N6445 | NPN | 1440 | 45 | 60 | 240 | .01 | 10 | 3.0 | 10 | TO-78 |
| 2N6446 | NPN | 1440 | 45 | 120 | 600 | .01 | 10 | 3.0 | 10 | TO-78 |
| 2N6447 | NPN | 1440 | 45 | 60 | 240 | .01 | 5.0 | 3.0 | 10 | TO-78 |
| 2N6448 | NPN | 1440 | 45 | 120 | 600 | .01 | 5.0 | 3.0 | 10 | TO-78 |
| 2N6502 | NPN | 2500 | 40 | 30 | — | 500 | — | — | — | TO-78 |
| AD814 | NPN | 600 | 35 | 750 | — | .10 | 5.0 | 1.0 | 5.0 | TO-71 |
| AD815 | NPN | 600 | 20 | 750 | — | .10 | 5.0 | 1.0 | 5.0 | TO-71 |
| AD816 | NPN | 600 | 10 | 750 | — | .10 | 5.0 | 1.0 | 5.0 | TO-71 |
| AD820 | PNP | 600 | 25 | 100 | — | .10 | 5.0 | 1.0 | 20 | TO-71 |
| AD821 | PNP | 600 | 45 | 150 | 800 | .10 | 5.0 | 1.0 | 5.0 | TO-71 |

*NPN/PNP