

| Transistor<br>Type No. | N, G,<br>P, S | Manufacturer | Lead<br>Ident | Out-<br>line | Maximum (V)     |                   |                 | Maximum        |         | Max.<br>T. <sub>c</sub> (°C) | Frequency<br>Resp.(MHz) | Leakage                            |                | Gain                                |        |
|------------------------|---------------|--------------|---------------|--------------|-----------------|-------------------|-----------------|----------------|---------|------------------------------|-------------------------|------------------------------------|----------------|-------------------------------------|--------|
|                        |               |              |               |              | V <sub>CB</sub> | V <sub>CE</sub> ' | V <sub>EB</sub> | I <sub>C</sub> | Power   |                              |                         | I <sub>CEO</sub> @ V <sub>CB</sub> | I <sub>C</sub> | h <sub>FE</sub><br>@ I <sub>C</sub> |        |
| 2SB128                 | P G           | MAT          | 605           | TO 3         | 80              |                   | 40.0            | 6.000A         | 30.000W | 90J                          | AUD                     | 220UA                              | 14V            | 28                                  | 6.000A |
| 2SB128A                | P G           | MAT          | 605           | TO 3         | 120             |                   | 60.0            | 6.000A         | 30.000W | 90J                          | AUD                     | 220UA                              | 14V            | 28                                  | 6.000A |
| 2SB129                 | P G           | MAT          | 605           | TO 3         | 80              |                   | 40.0            | 6.000A         | 30.000W | 90J                          | AUD                     | 220UA                              | 14V            | 50                                  | 6.000A |
| 2SB130                 | P G           | MAT          | 605           | 605A         | 32              |                   | 10.0            | 1.500A         | 6.500W  | 75J                          | AUD                     | 100UA                              | 14V            | 50                                  | .040A  |
| 2SB140                 | -P G          | SON          | 605           | TO 3         | 40              | 20                | 12.0            | 1.500A         | 12.000W | 85J                          | .005E                   | 600UA                              | 40V            | 74                                  |        |
| 2SB141                 | -P G          | SON          | 605           | TO 3         | 60              | 40                | 12.0            | 1.500A         | 12.000W | 85J                          | .007E                   | 600UA                              | 60V            | 74                                  |        |
| 2SB142                 | -P G          | SON          | 605           | TO 3         | 30              | 30R               |                 | 1.000A         | 10.000W | 85J                          | .005E                   | 1MA                                | 30V            | 24                                  |        |
| 2SB143                 | -P G          | SON          | 605           | TO 3         | 30              | 30R               |                 | 1.000A         | 10.000W | 85J                          | .005E                   | 1MA                                | 30V            | 38                                  |        |
| 2SB144                 | -P G          | SON          | 605           | TO 3         | 30              | 30R               |                 | 1.000A         | 10.000W | 85J                          | .005E                   | 1MA                                | 30V            | 76                                  |        |
| 2SB145                 | -P G          | SON          | 605           | TO 3         | 30              | 30R               |                 | 1.000A         | 10.000W | 85J                          | .005E                   | 1MA                                | 30V            | 38                                  |        |
| 2SB146                 | -P G          | SON          | 605           | TO 3         | 30              | 30R               |                 | 1.000A         | 10.000W | 85J                          | .005E                   | 1MA                                | 30V            | 76                                  |        |
| 2SB149                 | P G           | TOS MAT      | 605           | TO 3         | 40              |                   | 30.0            | 8.000A         | 25.000W | 75J                          | .250B                   | 230UA                              | 12V            | 54                                  | 8.000A |
| 2SB150                 | P G           | TOS          | 120           | TO 1         | 105             |                   | 50.0            | .040A          | .050W   | 75J                          | .500B                   | 50UA                               | 105V           | 36                                  | .005A  |
| 2SB155                 | P G           | HIT          | 120           | TO 1         | 16              |                   | 2.5             | .300A          | .150W   | 85J                          | .700B                   | 14UA                               | 12V            | 28                                  | .001A  |
| 2SB156                 | P G           | HIT          | 120           | TO 1         | 16              | 16S               | 2.5             | .300A          | .450W   | 85J                          | AUD                     | 14UA                               | 12V            | 70                                  | .150A  |
| 2SB156A                | P G           | HIT          | 120           | TO 1         | 20              | 20S               | 6.0             | .300A          | .450W   | 85J                          | AUD                     | 14UA                               | 12V            | 70                                  | .150A  |
| 2SB157                 | P G           | MAT          | 105           | 105B         | 7               |                   | 7.0             | .005A          | .010W   | 55J                          | VIDAMP                  | 100UA                              | 1V             | 35                                  |        |
| 2SB158                 | P G           | MAT          | 105           | 105B         | 7               |                   | 7.0             | .005A          | .010W   | 55J                          | VIDAMP                  | 100UA                              | 1V             | 55                                  |        |
| 2SB159                 | P G           | MAT          | 105           | 105B         | 7               |                   | 7.0             | .005A          | .010W   | 55J                          | VIDAMP                  | 100UA                              | 1V             | 80                                  |        |
| 2SB160                 | P G           | MAT          | 105           | 105B         | 7               |                   | 7.0             | .005A          | .010W   | 55J                          | VIDAMP                  | 120UA                              | 2V             | 75                                  |        |
| 2SB170                 | P G           | MAT          | 120           | TO 1         | 32              |                   | 10.0            | .010A          | .125W   | 75J                          | VIDAMP                  | 3UA                                | 10V            | 30                                  |        |
| 2SB171                 | P G           | MAT          | 120           | TO 1         | 32              |                   | 10.0            | .010A          | .125W   | 75J                          | VIDAMP                  | 3UA                                | 10V            | 50                                  |        |
| 2SB172                 | P G           | MAT          | 120           | TO 1         | 32              |                   | 10.0            | .125A          | .125W   | 75J                          | VIDAMP                  | 12UA                               | 10V            | 50                                  | .002A  |
| 2SB173                 | P G           | MAT          | 120           | TO 1         | 20              |                   | 10.0            | .010A          | .125W   | 75J                          | VIDAMP                  | 3UA                                | 10V            | 60                                  |        |
| 2SB175                 | P G           | MAT          | 120           | TO 1         | 32              |                   | 10.0            | .010A          | .125W   | 75J                          | VIDAMP                  | 3UA                                | 10V            | 100                                 |        |
| 2SB176                 | P G           | MAT          | 120           | TO 1         | 32              |                   | 10.0            | .125A          | .125W   | 75J                          | VIDAMP                  | 12UA                               | 10V            | 90                                  | .002A  |
| 2SB177                 | P G           | MAT          | 120           | TO 1         | 60              |                   | 10.0            | .125A          | .125W   | 75J                          | VIDAMP                  | 12UA                               | 10V            | 90                                  | .002A  |
| 2SB178                 | P G           | MAT          | 120           | 120G         | 20              |                   | 6.0             | .300A          | .225W   | 75J                          | VIDAMP                  | 20UA                               | 12V            | 96                                  | .300A  |
| 2SB178A                | P G           | MAT          | 120           | 120G         | 40              |                   | 6.0             | .300A          | .225W   | 75J                          | VIDAMP                  | 20UA                               | 12V            | 96                                  | .300A  |
| 2SB178B                | P G           | MAT          | 120           | 120G         | 60              |                   | 6.0             | .300A          | .225W   | 75J                          | VIDAMP                  | 20UA                               | 12V            | 66                                  | .300A  |
| 2SB189                 | P G           | TOS          | 120           | 120F         | 25              |                   | 12.0            | .250A          | .250W   | 75J                          | 1.000B                  | 14UA                               | 25V            | 80                                  | .100A  |
| 2SB200                 | P G           | TOS          | 170           | 170K         | 32              |                   | 12.0            | .400A          | .250W   | 75J                          | .500B                   | 40UA                               | 12V            | 68                                  | .150A  |
| 2SB200A                | P G           | TOS          | 170           | 170K         | 45              |                   | 12.0            | .400A          | .250W   | 75J                          | .800B                   | 40UA                               | 12V            | 68                                  | .150A  |
| 2SB201                 | P G           | TOS          | 211           | TO 5         | 35              |                   | 12.0            | .400A          | .300W   | 75J                          | .500B                   | 30UA                               | 12V            | 112                                 | .150A  |
| 2SB202                 | P G           | TOS          | 170           | 170K         | 32              |                   | 12.0            | .400A          | .250W   | 75J                          | .500B                   | 40UA                               | 12V            | 142                                 | .150A  |
| 2SB203                 | P G           | SEJ          | 607           | 607A         | 40              | 30S               | 40.0            | 20.000A        | 80.000W | 85J                          |                         | 5MA                                | 40V            | 40                                  |        |
| 2SB204                 | P G           | SEJ          | 607           | 607A         | 40              | 30S               | 40.0            | 30.000A        | 80.000W | 85J                          |                         | 5MA                                | 40V            | 100                                 |        |
| 2SB205                 | P G           | SEJ          | 607           | 607A         | 80              | 604S              |                 | 20.000A        | 80.000W | 85J                          |                         | 5MA                                | 80V            | 400                                 |        |
| 2SB206                 | P G           | SEJ          | 607           | 607A         | 80              | 604S              |                 | 30.000A        | 80.000W | 85J                          |                         | 5MA                                | 80V            | 100                                 |        |
| 2SB207                 | P G           | SEJ          | 607           | 607A         | 100             | 75S               | 40.0            | 20.000A        | 80.000W | 85J                          |                         | 5MA                                | 100V           | 40                                  |        |
| 2SB208                 | P G           | SEJ          | 607           | 607A         | 100             | 75S               | 40.0            | 30.000A        | 80.000W | 85J                          |                         | 5MA                                | 100V           | 100                                 |        |
| 2SB209                 | P G           | SEJ          | 607           | 607A         | 40              | 30S               | 40.0            | 20.000A        | 80.000W | 85J                          | .002E                   | 5MA                                | 40V            | 40                                  |        |
| 2SB210                 | P G           | SEJ          | 607           | 607A         | 40              | 30S               | 40.0            | 30.000A        | 80.000W | 85J                          | .002E                   | 5MA                                | 40V            | 100                                 |        |