

| Sr. No.                                         | Device   | V <sub>CE0</sub><br>Volts<br>min | V <sub>CE0</sub><br>Volts<br>max | V <sub>EB0</sub><br>Volts<br>min | h <sub>FE</sub><br>at bias<br>min / max | I <sub>C</sub><br>mA | V <sub>CE</sub><br>Volts | I <sub>CM</sub><br>mA<br>max | P <sub>tot</sub><br>mW<br>max | I <sub>CBO</sub><br>μA<br>typ | V <sub>CE</sub><br>(S <sub>at</sub> )<br>Volts<br>typ | f <sub>T</sub><br>MHz<br>typ | C <sub>ob</sub><br>pF<br>typ | t <sub>s</sub><br>ns<br>typ | N <sub>F</sub><br>dB<br>typ | Package |
|-------------------------------------------------|----------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------------|----------------------|--------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|---------|
| <b>NPN SWITCHING TRANSISTORS</b>                |          |                                  |                                  |                                  |                                         |                      |                          |                              |                               |                               |                                                       |                              |                              |                             |                             |         |
| 20.                                             | 2N 2218  | 30                               | 60                               | 5                                | 40/120                                  | 150                  | 10                       | 800                          | 800                           | .1                            | .4                                                    | 250                          | —                            | t <sub>off</sub><br>285max  | nsec—                       | TO 39   |
| 21.                                             | 2N 2218A | 50                               | 75                               | 6                                | 40/120                                  | 150                  | 10                       | 800                          | 800                           | .1                            | .4                                                    | 250                          | —                            | 285                         | —                           | "       |
| 22.                                             | 2N 2219  | 30                               | 60                               | 5                                | 100/300                                 | 150                  | 10                       | 800                          | 800                           | .1                            | .4                                                    | 250                          | —                            | 285                         | —                           | "       |
| 23.                                             | 2N 2219A | 50                               | 75                               | 6                                | 100/300                                 | 150                  | 10                       | 800                          | 800                           | .1                            | .4                                                    | 250                          | —                            | 285                         | —                           | "       |
| 24.                                             | 2N 2221  | 30                               | 60                               | 5                                | 40/120                                  | 150                  | 10                       | 800                          | 500                           | .1                            | .4                                                    | 250                          | —                            | 285                         | —                           | TO 18   |
| 25.                                             | 2N 2221A | 50                               | 75                               | 6                                | 40/120                                  | 150                  | 10                       | 800                          | 500                           | .1                            | .4                                                    | 250                          | —                            | 285                         | —                           | "       |
| 26.                                             | 2N 2222  | 30                               | 60                               | 5                                | 100/300                                 | 150                  | 10                       | 800                          | 500                           | .1                            | .4                                                    | 250                          | —                            | 285                         | —                           | "       |
| 27.                                             | 2N 2222A | 50                               | 75                               | 6                                | 100/300                                 | 150                  | 10                       | 800                          | 500                           | .1                            | .4                                                    | 250                          | —                            | 285                         | —                           | "       |
| 28.                                             | 2N 2368  | 15                               | 40                               | 4.5                              | 20/60                                   | 10                   | 1                        | 500                          | 360                           | .05                           | .25                                                   | 500                          | —                            | 18                          | —                           | "       |
| 29.                                             | 2N 2369  | 15                               | 40                               | 4.5                              | 40/120                                  | 10                   | 1                        | 500                          | 360                           | .05                           | .25                                                   | 600                          | —                            | 18                          | —                           | "       |
| 30.                                             | 2N 2369A | 15                               | 40                               | 4.5                              | 40/120                                  | 10                   | 1                        | 500                          | 360                           | .05                           | .25                                                   | 600                          | —                            | 18                          | —                           | "       |
| <b>PNP SWITCHING TRANSISTORS</b>                |          |                                  |                                  |                                  |                                         |                      |                          |                              |                               |                               |                                                       |                              |                              |                             |                             |         |
| 31.                                             | 2N 2904  | 40                               | 60                               | 5                                | 40/120                                  | 150                  | 10                       | 600                          | 600                           | .1                            | .4                                                    | 200                          | —                            | 100                         | —                           | TO 39   |
| 32.                                             | 2N 2904A | 60                               | 60                               | 5                                | 40/120                                  | 150                  | 10                       | 600                          | 600                           | .1                            | .4                                                    | 200                          | —                            | 100                         | —                           | "       |
| 33.                                             | 2N 2905  | 40                               | 60                               | 5                                | 100/300                                 | 150                  | 10                       | 600                          | 600                           | .1                            | .4                                                    | 200                          | —                            | 100                         | —                           | "       |
| 34.                                             | 2N 2905A | 60                               | 60                               | 5                                | 100/300                                 | 150                  | 10                       | 600                          | 600                           | .1                            | .4                                                    | 200                          | —                            | 100                         | —                           | "       |
| 35.                                             | 2N 2906  | 40                               | 60                               | 5                                | 40/120                                  | 150                  | 10                       | 600                          | 400                           | .1                            | .4                                                    | 200                          | —                            | 100                         | —                           | TO 18   |
| 36.                                             | 2N 2906A | 60                               | 60                               | 5                                | 40/120                                  | 150                  | 10                       | 600                          | 400                           | .1                            | .4                                                    | 200                          | —                            | 100                         | —                           | TO 18   |
| 37.                                             | 2N 2907  | 40                               | 60                               | 5                                | 100/300                                 | 150                  | 10                       | 600                          | 400                           | 1                             | .4                                                    | 200                          | —                            | 100                         | —                           | "       |
| 38.                                             | 2N 2907A | 60                               | 60                               | 5                                | 100/300                                 | 150                  | 10                       | 600                          | 400                           | .1                            | .4                                                    | 200                          | —                            | 100                         | —                           | "       |
| <b>NPN HIGH FREQUENCY TRANSISTORS</b>           |          |                                  |                                  |                                  |                                         |                      |                          |                              |                               |                               |                                                       |                              |                              |                             |                             |         |
| 39.                                             | BF 184   | 20                               | 30                               | 5                                | 75/750                                  | 1                    | 10                       | 30                           | 145                           | —                             | —                                                     | 300                          | —                            | —                           | —                           | TO 72   |
| 40.                                             | BF 185   | 20                               | 30                               | 5                                | 34/140                                  | 1                    | 10                       | 30                           | 145                           | —                             | —                                                     | 220                          | —                            | —                           | —                           | "       |
| 41.                                             | BF 115   | 30                               | 50                               | 5                                | 45/165                                  | 1                    | 10                       | 30                           | 145                           | —                             | —                                                     | 230                          | —                            | —                           | —                           | "       |
| 42.                                             | BF 167   | 30                               | 40                               | 4                                | 27min.                                  | 4                    | 10                       | 25                           | 130                           | —                             | —                                                     | 400                          | —                            | —                           | —                           | "       |
| 43.                                             | BF 173   | 25                               | 40                               | 4                                | 37min.                                  | 7                    | 10                       | 25                           | 260                           | —                             | —                                                     | 550                          | —                            | —                           | —                           | "       |
| 44.                                             | BF 200   | 20                               | 30                               | 3                                | 15min.                                  | 3                    | 10                       | 20                           | 150                           | —                             | —                                                     | 650                          | —                            | —                           | 2                           | "       |
| 45.                                             | BF 200B  | 20                               | 30                               | 3                                | 90min.                                  | 3                    | 10                       | 20                           | 150                           | —                             | —                                                     | 650                          | —                            | —                           | 2                           | "       |
| <b>NPN GENERAL PURPOSE TRANSISTOR</b>           |          |                                  |                                  |                                  |                                         |                      |                          |                              |                               |                               |                                                       |                              |                              |                             |                             |         |
| 46.                                             | BEL 100N | 50                               | 60                               | 7                                | 50/280                                  | 150                  | 1                        | 500                          | 800                           | .05                           | .6                                                    | 130                          | —                            | —                           | —                           | TO 39   |
| <b>PNP GENERAL PURPOSE TRANSISTOR</b>           |          |                                  |                                  |                                  |                                         |                      |                          |                              |                               |                               |                                                       |                              |                              |                             |                             |         |
| 47.                                             | BEL 100P | 50                               | 60                               | 7                                | 50/280                                  | 150                  | 1                        | 500                          | 800                           | .05                           | .6                                                    | 130                          | —                            | —                           | —                           | TO 39   |
| <b>NPN HIGH VOLTAGE TRANSISTORS</b>             |          |                                  |                                  |                                  |                                         |                      |                          |                              |                               |                               |                                                       |                              |                              |                             |                             |         |
| 48.                                             | 2N 3500  | 150                              | 150                              | 6                                | 40/120                                  | 150                  | 10                       | 300                          | 1000                          | .05                           | .4                                                    | 150                          | 8                            | 300                         | —                           | TO 39   |
| 49.                                             | 2N 3501  | 150                              | 150                              | 6                                | 100/300                                 | 150                  | 10                       | 300                          | 1000                          | .05                           | .4                                                    | 150                          | 8                            | 300                         | —                           | "       |
| 50.                                             | 2N3501TV | 115                              | 185                              | 5                                | 20min.                                  | 30                   | 20                       | 50                           | 600                           | .05                           | —                                                     | 120                          | —                            | —                           | —                           | "       |
| 51.                                             | BD 115   | 180                              | 245                              | 5                                | 22min.                                  | 50                   | 100                      | 200                          | 800                           | .05                           | —                                                     | 120                          | —                            | —                           | —                           | "       |
| 52.                                             | 2N 657   | 100                              | 100                              | 8                                | 30/90                                   | 200                  | 10                       | 500                          | 800                           | .05                           | —                                                     | 120                          | —                            | —                           | —                           | "       |
| <b>NPN HIGH FREQUENCY LOW NOISE TRANSISTORS</b> |          |                                  |                                  |                                  |                                         |                      |                          |                              |                               |                               |                                                       |                              |                              |                             |                             |         |
| 53.                                             | 2N 918   | 15                               | 30                               | 3                                | 20min.                                  | 3                    | 1                        | 50                           | 200                           | .01                           | 4                                                     | 900                          | 1.7                          | —                           | 5                           | TO 72   |
| 54.                                             | 2N 929   | 45                               | 45                               | 5                                | 100/350                                 | 10                   | 5                        | 60                           | 300                           | .01                           | .6                                                    | 80                           | —                            | —                           | 2                           | TO 18   |
| 55.                                             | 2N 930   | 45                               | 45                               | 5                                | 150/600                                 | 10                   | 5                        | 60                           | 300                           | .01                           | .6                                                    | 80                           | —                            | —                           | 2                           | "       |

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