

| TRANSISTOR NUMBER | P O A L T | PACK-AGE | LEAD INFO | V <sub>CE</sub> MAX | V <sub>CE</sub> MAX | V <sub>CE0</sub> MAX | I <sub>C</sub> MAX | T <sub>J</sub> MAX | P TOT  | F <sub>T</sub> MIN | C <sub>06</sub> MAX | H <sub>FE</sub> | H <sub>FE</sub> BIAS | USE | MFR | ALTERNATIVES AND NOTES |
|-------------------|-----------|----------|-----------|---------------------|---------------------|----------------------|--------------------|--------------------|--------|--------------------|---------------------|-----------------|----------------------|-----|-----|------------------------|
| 2N960-46          | P G       | TO46     | L01       | 15V                 | 15V                 | 2V                   | 100mA              | 100C               | 150mWF | 300M               | 4P0                 | 20mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N961             | P G       | TO18     | L01       | 12V                 | 12V                 | 2V                   | 100mA              | 100C               | 150mWF | 300M               | 4P0                 | 20mn            | 10mA                 | VLS | TIS | BSW25 2N3546           |
| 2N961-46          | P G       | TO46     | L01       | 12V                 | 12V                 | 2V                   | 100mA              | 100C               | 150mWF | 300M               | 4P0                 | 20mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N962             | P G       | TO18     | L01       | 12V                 | 12V                 | 1V                   | 100mA              | 100C               | 150mWF | 300M               | 4P0                 | 20mn            | 10mA                 | VLS | TIS | BSW25 2N3546           |
| 2N962-46          | P G       | TO46     | L01       | 12V                 | 12V                 | 1V                   | 100mA              | 100C               | 150mWF | 300M               | 4P0                 | 20mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N963             | P G       | TO18     | L01       | 12V                 | 12V                 | 1V                   | 100mA              | 100C               | 150mWF | 250M               | 5P0                 | 20mn            | 10mA                 | VLS | RCA | BSW25 2N3546           |
| 2N964             | P G       | TO18     | L01       | 15V                 | 15V                 | 2V                   | 150mA              | 100C               | 150mWF | 300M               | 4P0                 | 40mn            | 10mA                 | VLS | TIS | BSW25 2N3546           |
| 2N964A            | P G       | TO18     | L01       | 15V                 | 15V                 | 2V                   | 100mA              | 100C               | 150mWF | 300M               | 4P0                 | 40mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N964-46          | P G       | TO46     | L01       | 15V                 | 15V                 | 2V                   | 150mA              | 100C               | 150mWF | 300M               | 4P0                 | 40mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N965             | P G       | TO18     | L01       | 12V                 | 12V                 | 2V                   | 150mA              | 100C               | 150mWF | 300M               | 4P0                 | 40mn            | 10mA                 | VLS | TIS | BSW25 2N3546           |
| 2N966             | P G       | TO18     | L01       | 12V                 | 12V                 | 1V                   | 150mA              | 100C               | 150mWF | 300M               | 4P0                 | 40mn            | 10mA                 | VLS | TIS | BSW25 2N3546           |
| 2N967             | P G       | TO18     | L01       | 12V                 | 12V                 | 2V                   | 150mA              | 100C               | 150mWF | 250M               | 5P0                 | 40mn            | 10mA                 | VLS | RCA | BSW25 2N3546           |
| 2N968             | P G       | TO18     | L01       | 15V                 | 15V                 | 2V                   | 200mA              | 100C               | 150mWF | 300M               | 8P0                 | 17mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N969             | P G       | TO18     | L01       | 12V                 | 12V                 | 2V                   | 200mA              | 100C               | 150mWF | 300M               | 8P0                 | 17mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N970             | P G       | TO18     | L01       | 12V                 | 12V                 | 1V                   | 200mA              | 100C               | 150mWF | 300M               | 8P0                 | 17mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N971             | P G       | TO18     | L01       | 7V                  | 7V                  | 1V                   | 200mA              | 100C               | 150mWF | 300M               | 8P0                 | 17mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N972             | P G       | TO18     | L01       | 15V                 | 15V                 | 2V                   | 200mA              | 100C               | 150mWF | 300M               | 8P0                 | 40mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N973             | P G       | TO18     | L01       | 12V                 | 12V                 | 2V                   | 200mA              | 100C               | 150mWF | 300M               | 8P0                 | 40mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N974             | P G       | TO18     | L01       | 12V                 | 12V                 | 1V                   | 200mA              | 100C               | 150mWF | 300M               | 8P0                 | 40mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N975             | P G       | TO18     | L01       | 7V                  | 7V                  | 1V                   | 200mA              | 100C               | 150mWF | 300M               | 8P0                 | 40mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N976             | P G       | TO18     | L01       | 15V                 | 10V                 | -                    | 100mA              | 100C               | 100mWF | 250M               | 3P0                 | 30mn            | 20mA                 | VLS | OBS | BSW25 2N3546           |
| 2N977             | P G       | TO18     | L01       | 15V                 | 10V                 | -                    | 100mA              | 100C               | 150mWF | 400M               | 3P0                 | 50mn            | 40mA                 | VLS | OBS | BSW25 2N3546           |
| 2N978             | P S       | TO18     | L01       | 30V                 | 20V                 | 5V                   | 500mA              | 175C               | 380mWF | 40M                | 45P                 | 15/60           | 150mA                | AMG | STM | BSW24 2N2907A          |
| 2N979             | P G       | TO18     | L01       | 20V                 | 15V                 | 2V                   | 100mA              | 100C               | 60mWF  | 100M               | 3P0                 | 30mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N980             | P G       | TO18     | L01       | 20V                 | 12V                 | 2V                   | 100mA              | 100C               | 60mWF  | 100M               | 3P0                 | 30mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N981             | N S       | TO18     | L01       | 80V                 | 80V                 | 8V                   | 100mA              | 175C               | 500mWF | 50M                | 5P0                 | 36/100          | 1mA                  | ALG | NAT | BC107 A157             |
| 2N982             | P G       | TO18     | L01       | 20V                 | 15V                 | 2V                   | 100mA              | 100C               | 60mWF  | 225M               | 3P0                 | 50mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N983             | P G       | TO18     | L01       | 15V                 | 15V                 | 2V                   | 100mA              | 100C               | 60mWF  | 225M               | 4P0                 | 40mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N984             | P G       | TO18     | L01       | 15V                 | 10V                 | 2V                   | 100mA              | 100C               | 60mWF  | 175M               | 4P0                 | 50mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N985             | P G       | TO18     | L01       | 15V                 | 7V                  | 3V                   | 200mA              | 100C               | 150mWF | 150M               | 12P                 | 40mn            | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N987             | P G       | TO72     | L51       | 40V                 | 40V                 | 1V                   | 10mA               | 75C                | 86mWF  | 50M                | 4P0                 | 40mn            | 1mA                  | RLA | PHI | AF124 2N990            |
| 2N988             | N S       | TO18     | L01       | 20V                 | 10V                 | 3V                   | 200mA              | 175C               | 300mWF | 300M               | 8P0                 | 20/120          | 10mA                 | RMG | OBS | BSW64 2N2222A          |
| 2N989             | N S       | TO18     | L01       | 20V                 | 10V                 | 3V                   | 200mA              | 175C               | 300mWF | 300M               | 7P0                 | 20/200          | 10mA                 | RMG | OBS | BSW64 2N2222A          |
| 2N990             | P G       | TO18     | L01       | 20V                 | 20V                 | 1V                   | 10mA               | 75C                | 67mWF  | 44M                | 5P0                 | 40mn            | 1mA                  | VLA | AMP | AF124 2N990            |
| 2N991             | P G       | TO72     | L06       | 20V                 | 20V                 | 1V                   | 10mA               | 75C                | 67mWF  | 44M                | 5P0                 | 40mn            | 1mA                  | VLA | OBS | AF124 2N990            |
| 2N992             | P G       | TO72     | L06       | 20V                 | 20V                 | 1V                   | 10mA               | 75C                | 67mWF  | 44M                | 5P0                 | 40mn            | 1mA                  | VLA | OBS | AF124 2N990            |
| 2N993             | P G       | TO18     | L01       | 20V                 | 20V                 | 1V                   | 10mA               | 75C                | 67mWF  | 44M                | 5P0                 | 40mn            | 1mA                  | VLA | OBS | AF124 2N990            |
| 2N994             | P G       | TO18     | L01       | 15V                 | 6V                  | -                    | 150mA              | 150C               | 200mWF | -                  | -                   | 45/140          | 10mA                 | VLS | OBS | BSW25 2N3546           |
| 2N995             | P S       | TO18     | L01       | 20V                 | 15V                 | 4V                   | 200mA              | 175C               | 360mWF | 100M               | 10P                 | 35mn            | 20mA                 | ALG | STM | BSW24 2N2907A          |
| 2N995A            | P S       | TO18     | L01       | 20V                 | 15V                 | 4V                   | 200mA              | 175C               | 360mWF | 100M               | 6P0                 | 35/140          | 20mA                 | ALG | STM | BSW24 2N2907A          |
| 2N996             | P S       | TO18     | L01       | 15V                 | 12V                 | 4V                   | 200mA              | 175C               | 360mWF | 100M               | 10P                 | 30mn            | 80mA                 | ALG | STM | BSW24 2N2907A          |
| 2N997             | N S       | TO18     | L01       | 75V                 | 40V                 | 7V                   | 300mA              | 200C               | 500mWF | -                  | 35P                 | 1000mn          | 100uA                | ALD | STM | -                      |
| 2N998             | N S       | TO72     | L62       | 100V                | 60V                 | 15V                  | 500mA              | 200C               | 500mWF | -                  | 30P                 | 1600mn          | 10mA                 | ALD | STM | -                      |
| 2N999             | N S       | TO72     | L62       | 60V                 | 60V                 | 15V                  | 500mA              | 200C               | 500mWF | -                  | 20P                 | 7000mn          | 100mA                | ALD | STM | -                      |
| 2N1000            | N G       | TO5      | L04       | 40V                 | 25V                 | 40V                  | -                  | 100C               | 150mWF | 6M                 | 20P                 | 40mn            | 10mA                 | RLS | OBS | ASY29 2N1304           |
| 2N1003            | P G       | OBS      | OBS       | 35V                 | 20V                 | -                    | -                  | 100C               | 120mWF | -                  | -                   | 10mn            | 1mA                  | RLS | OBS | ASY27 2N1305           |
| 2N1004            | P G       | OBS      | OBS       | 35V                 | 20V                 | -                    | -                  | 100C               | 120mWF | -                  | -                   | 10mn            | 1mA                  | RLS | OBS | ASY27 2N1305           |
| 2N1005            | N S       | OBS      | OBS       | 15V                 | 15V                 | -                    | -                  | 175C               | 150mWF | -                  | -                   | 10/37           | 10mA                 | ALA | OBS | BC107 A157             |
| 2N1006            | N S       | OBS      | OBS       | 15V                 | 15V                 | -                    | -                  | 175C               | 150mWF | -                  | -                   | 25/150          | 10mA                 | ALA | OBS | BC107 A157             |
| 2N1007            | P G       | TO3      | L05       | 40V                 | 30V                 | 15V                  | 3A                 | 95C                | 35WC   | 60K                | -                   | 50/250          | 1A                   | AHG | OBS | ASZ16 2N1536           |
| 2N1008            | P G       | TO5      | L04       | 20V                 | 15V                 | -                    | 300mA              | 85C                | 300mWF | 400K               | -                   | 40/150          | 10mA                 | AHG | OBS | ACY17 2N1176           |
| 2N1008A           | P G       | TO5      | L04       | 40V                 | 35V                 | -                    | 300mA              | 85C                | 300mWF | 400K               | -                   | 40/150          | 10mA                 | AHG | OBS | ACY17 2N1176           |
| 2N1008B           | P G       | TO5      | L04       | 60V                 | 55V                 | -                    | 300mA              | 85C                | 300mWF | 400K               | -                   | 40/150          | 10mA                 | AHG | OBS | ACY17 2N1176           |
| 2N1009            | P G       | OBS      | OBS       | 35V                 | 25V                 | -                    | 20mA               | 85C                | 300mWF | 400K               | -                   | 40mn            | 10mA                 | ALG | OBS | ACY17 2N1176           |
| 2N1010            | N G       | TO1      | L02       | 10V                 | 10V                 | 10V                  | 2mA                | 85C                | 20mWF  | 1M                 | -                   | 35mn            | 300uA                | ALG | RCA | ASY29 2N1304           |
| 2N1011            | P G       | TO3      | L05       | 80V                 | 40V                 | 40V                  | 5A                 | 95C                | 45WC   | 100K               | -                   | 30/75           | 3A                   | AHG | OBS | ASZ16 2N1536           |
| 2N1012            | N G       | TO5      | L04       | 40V                 | 22V                 | 35V                  | -                  | -                  | 150mWF | 3M                 | 20P                 | 40mn            | 100mA                | RMS | OBS | ASY29 2N1304           |
| 2N1013            | P S       | OBS      | OBS       | -                   | -                   | -                    | 2A                 | 180C               | 750mWF | -                  | -                   | 75tp            | 1A                   | AHG | OBS | BDX14 2N3740           |
| 2N1014            | P G       | OBS      | OBS       | 100V                | 60V                 | -                    | 12A                | 100C               | 50WC   | 200K               | -                   | 20mn            | 1A                   | AHH | RCA | ASZ15 2N1533           |
| 2N1015            | N S       | OBS      | OBS       | 50V                 | 30V                 | 25V                  | 7500mA             | 150C               | 150WC  | 20M                | -                   | 10mn            | 2A                   | AHG | OBS | BDY20 2N3055           |
| 2N1015A           | N S       | OBS      | OBS       | 60V                 | 60V                 | 25V                  | 7500mA             | 150C               | 150WC  | 20M                | -                   | 10mn            | 2A                   | AHG | OBS | BDY20 2N3055           |
| 2N1015B           | N S       | OBS      | OBS       | 100V                | 25V                 | 25V                  | 7500mA             | 150C               | 150WC  | 20M                | -                   | 10mn            | 2A                   | AHH | OBS | BDX50 2N3773           |
| 2N1015C           | N S       | OBS      | OBS       | 150V                | 150V                | 25V                  | 7500mA             | 150C               | 150WC  | 20M                | -                   | 10mn            | 2A                   | AHH | OBS | BDX50 2N3773           |
| 2N1015D           | N S       | OBS      | OBS       | 200V                | 200V                | 25V                  | 7500mA             | 150C               | 150WC  | 20M                | -                   | 10mn            | 2A                   | AHE | OBS | BU120 2N3773           |
| 2N1015E           | N S       | OBS      | OBS       | 250V                | 250V                | 25V                  | 7500mA             | 150C               | 150WC  | 20M                | -                   | 10mn            | 2A                   | AHE | OBS | BU120 2N3773           |
| 2N1015F           | N S       | OBS      | OBS       | 300V                | 300V                | 25V                  | 7500mA             | 150C               | 150WC  | 20M                | -                   | 10mn            | 2A                   | AHE | OBS | BU120 2N3773           |
| 2N1016            | N S       | OBS      | OBS       | 30V                 | 30V                 | 25V                  | 7500mA             | 150C               | 150WC  | -                  | -                   | 10mn            | 5A                   | AHG | OBS | BDY20 2N3055           |
| 2N1016A           | N S       | OBS      | OBS       | 60V                 | 60V                 | 25V                  | 7500mA             | 150C               | 150WC  | -                  | -                   | 10mn            | 5A                   | AHG | OBS | BDY20 2N3055           |
| 2N1016B           | N S       | OBS      | OBS       | 100V                | 100V                | 25V                  | 7500mA             | 150C               | 150WC  | -                  | -                   | 10mn            | 5A                   | AHH | OBS | BDX50 2N3773           |
| 2N1016C           | N S       | OBS      | OBS       | 150V                | 150V                | 25V                  | 7500mA             | 150C               | 150WC  | -                  | -                   | 10mn            | 5A                   | AHE | OBS | BDX50 2N3773           |
| 2N1016D           | N S       | OBS      | OBS       | 200V                | 200V                | 25V                  | 7500mA             | 150C               | 150WC  | -                  | -                   | 10mn            | 5A                   | AHE | OBS | BU120 2N3773           |
| 2N1016E           | N S       | OBS      | OBS       | 250V                | 250V                | 25V                  | 7500mA             | 150C               | 150WC  | -                  | -                   | 10mn            | 5A                   | AHE | OBS | BU120 2N3773           |
| 2N1016F           | N S       | OBS      | OBS       | 300V                | 300V                | 25V                  | 7500mA             | 150C               | 150WC  | -                  | -                   | 10mn            | 2A                   | AHE | OBS | BU120 2N3773           |
| 2N1017            | P G       | TO5      | L04       | 30V                 | 10V                 | 20V                  | 400mA              | 85C                | 170mWF | 10M                | 24P                 | 70mn            | 20mA                 | RMS | OBS | ASY27 2N1305           |
| 2N1018            | P G       | TO5      | L04       | 30V                 | 6V                  | 20V                  | 400mA              | 100C               | 170mWF | 12M                | 24P                 | 70mn            | 1mA                  | RMS | OBS | ASY27 2N1305           |