

# POWER SILICON PNP

| Item Number                    | Part Number | Manufacturer | I <sub>C</sub> Max (A) | V <sub>(BR)CEO</sub> (V) | h <sub>FE</sub> |     | f <sub>T</sub> (Hz) | I <sub>CEO</sub> Max (A) | t <sub>r</sub> Max (s) | t <sub>f</sub> Max (s) | P <sub>D</sub> Max (W) | T <sub>Oper</sub> Max (°C) | Package Style |
|--------------------------------|-------------|--------------|------------------------|--------------------------|-----------------|-----|---------------------|--------------------------|------------------------|------------------------|------------------------|----------------------------|---------------|
|                                |             |              |                        |                          | Min             | Max |                     |                          |                        |                        |                        |                            |               |
| <b>I(C) &lt; 1 A, (Cont'd)</b> |             |              |                        |                          |                 |     |                     |                          |                        |                        |                        |                            |               |
| -                              | 2SA1353E    | Sanyo Elect  | 100m                   | 300                      | 100             | 200 | 70M                 | 0.1u                     |                        |                        | 7.0                    | 140 J                      | TO-126        |
| -                              | 2SA1371E    | Sanyo Elect  | 100m                   | 300                      | 100             | 200 | 150M                | 0.1u                     |                        |                        | 1.0                    | 140 J                      | TO-92         |
| -                              | 2SA1381E    | Sanyo Elect  | 100m                   | 300                      | 100             | 200 | 150M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1371F    | Sanyo Elect  | 100m                   | 300                      | 160             | 320 | 150M                | 0.1u                     |                        |                        | 1.0                    | 140 J                      | TO-92         |
| 5                              | 2SA1381F    | Sanyo Elect  | 100m                   | 300                      | 160             | 320 | 150M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1353F    | Sanyo Elect  | 100m                   | 300                      | 260             | 320 | 70M                 | 0.1u                     |                        |                        | 7.0                    | 140 J                      | TO-126        |
| -                              | 2SA1233     | Hitachi Ltd  | 100m                   | 360                      | 35              | 200 | 13M                 | 100u                     |                        |                        | 10                     | 140 J                      | TO-252var     |
| -                              | 2SB1011     | Matsushita   | 100m                   | 400                      | 50              | 250 | 70M                 |                          |                        |                        | 1.2                    | 140 J                      | TO-126var     |
| -                              | 2SA1477     | Sanyo Elect  | 140m                   | 160                      | 100             | 400 | 150M                | 100n                     |                        | 0.1u                   | 10                     | 140                        | TO-126        |
| 10                             | 2SA1407C    | Sanyo Elect  | 150m                   | 200                      | 40              | 80  | 400M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1407D    | Sanyo Elect  | 150m                   | 200                      | 60              | 120 | 400M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1407E    | Sanyo Elect  | 150m                   | 200                      | 100             | 200 | 400M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1407F    | Sanyo Elect  | 150m                   | 200                      | 160             | 320 | 400M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2N2894      | See Index    | 200m                   | 12                       | 40              | 150 |                     | 10u                      | 60n                    | 90n                    | 1.2                    | 175 J                      | TO-18         |
| -                              | KF3509      | M/ACommSemi  | 200m                   | 20                       | 20              |     | 1.8G                | 500n                     |                        |                        | 1.0                    |                            | TO-39         |
| -                              | 2N3209      | See Index    | 200m                   | 20                       | 30              | 120 |                     | 80n                      | 60n                    | 90n                    | 1.2                    | 175 J                      | TO-18         |
| -                              | 2N3209L     | Semelab      | 200m                   | 20                       | 30              | 120 |                     | 80n                      | 60n                    | 90n                    | 1.2                    | 175 J                      | TO-18         |
| -                              | PZT3906     | PhilipsElec  | 200m                   | 40                       | 60              |     | 250M                | 50n                      | 35n                    |                        | 1.5                    | 140 J                      | SOT-223       |
| -                              | RXT3906     | Rohm Corp    | 200m                   | 40                       | 100             | 400 | 250M                |                          |                        |                        | 1.0                    |                            | SOT-89        |
| 20                             | RXT3906     | Rohm Co Ltd  | 200m                   | 40                       | 100             | 400 | 250M                |                          |                        |                        | 1.0                    |                            | SOT-89        |
| -                              | 2SA1538     | Sanyo Elect  | 200m                   | 120                      | 40              | 320 | 400M                | 0.1u                     |                        |                        | 8.0                    | 140                        | TO-126        |
| -                              | 2SA1404C    | Sanyo Elect  | 200m                   | 120                      | 40              | 80  | 500M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1404D    | Sanyo Elect  | 200m                   | 120                      | 60              | 120 | 500M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1404E    | Sanyo Elect  | 200m                   | 120                      | 100             | 200 | 500M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| 25                             | 2SA1404F    | Sanyo Elect  | 200m                   | 120                      | 160             | 320 | 500M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1541     | Sanyo Elect  | 200m                   | 200                      | 40              | 320 | 300M                | 0.1u                     |                        |                        | 7.0                    | 140                        | TO-126        |
| -                              | 2SA1476     | Sanyo Elect  | 200m                   | 200                      | 40              | 320 | 400M                | 0.1u                     |                        |                        | 15                     | 140                        | TO-220AB      |
| -                              | 2SA964      | NECElectsInc | 200m                   | 200                      | 60              | 400 |                     |                          |                        |                        | 1.5                    |                            | TO-202        |
| -                              | 2SC2224     | NECElectsInc | 200m                   | 200                      | 150             |     | 250M                | 1.0u                     |                        |                        | 10                     | 140 J                      | TO-202        |
| 30                             | BFN19       | Siemens Akt  | 200m                   | 250                      | 30              |     | 100M                |                          |                        |                        | 1.0                    | 140 J                      | SOT-89        |
| -                              | BFN17       | Siemens Akt  | 200m                   | 250                      | 40              |     | 100M                |                          |                        |                        | 1.0                    |                            | SOT-89        |
| -                              | 2SA964A     | NECElectsInc | 200m                   | 250                      | 60              | 400 |                     |                          |                        |                        | 1.5                    |                            | TO-202        |
| -                              | 2SA795      | Elec Trans   | 250m                   | 150                      | 60              | 240 |                     | 30u                      |                        |                        | 10                     | 140 J                      | TO-126        |
| 35                             | MJ3738      | NthAmerSemi  | 250m                   | 225                      | 40              | 200 | 10M                 | 100u                     |                        |                        | 20                     | 175 J                      | TO-86         |
| -                              | 2N6424      | See Index    | 250m                   | 225                      | 40              | 200 | 10M                 | 250u                     |                        | 300n                   | 20                     | 175 J                      | TO-66         |
| -                              | MJ3739      | NthAmerSemi  | 250m                   | 300                      | 40              | 200 | 10M                 | 100u                     |                        |                        | 20                     | 175 J                      | TO-86         |
| -                              | 2N6425      | See Index    | 250m                   | 300                      | 40              | 200 | 10M                 | 250u                     |                        |                        | 20                     | 175 J                      | TO-66         |
| -                              | 2SA1402C    | Sanyo Elect  | 300m                   | 60                       | 40              | 80  | 700M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1402D    | Sanyo Elect  | 300m                   | 60                       | 60              | 120 | 700M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| 40                             | 2SA1402E    | Sanyo Elect  | 300m                   | 60                       | 100             | 200 | 700M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1402F    | Sanyo Elect  | 300m                   | 60                       | 160             | 320 | 700M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1536     | Sanyo Elect  | 300m                   | 70                       | 40              | 320 | 600M                | 0.1u                     |                        |                        | 8.0                    | 140                        | TO-126        |
| -                              | 2SB800      | NEC Corp JA  | 300m                   | 80                       | 90              | 400 | 100M                | 100n                     |                        |                        | 2.0                    | 140 J                      | SOT-89        |
| -                              | 2SB800      | NECElectsInc | 300m                   | 80                       | 90              | 400 | 100M                | 100n                     |                        |                        | 2.0                    | 140 J                      | SOT-89        |
| 45                             | 2SA1539     | Sanyo Elect  | 300m                   | 120                      | 40              | 320 | 400M                | 0.1u                     |                        |                        | 8.0                    | 140                        | TO-126        |
| -                              | 2SA1405C    | Sanyo Elect  | 300m                   | 120                      | 40              | 80  | 500M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1405D    | Sanyo Elect  | 300m                   | 120                      | 60              | 120 | 500M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1405E    | Sanyo Elect  | 300m                   | 120                      | 100             | 200 | 500M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| -                              | 2SA1405F    | Sanyo Elect  | 300m                   | 120                      | 160             | 320 | 500M                | 0.1u                     |                        |                        | 1.2                    | 140 J                      | TO-126        |
| 50                             | MPSW60      | Motorola     | 300m                   | 300                      | 25              |     | 60M                 | 250n                     |                        |                        | 1                      | 140 J                      | TO-92         |
| -                              | 2SB622      | Sankan Elec  | 300m                   | 400                      | 30              | 200 |                     | 100u                     |                        |                        | 10                     | 140 J                      | TO-5          |
| -                              | TRSP3254S   | Sld St Dvcs  | .40                    | 325                      | 30              |     | 30M                 | .02m                     |                        |                        | 1.0                    |                            | TO-5          |
| -                              | TRSP3254S   | SemiconTech  | .40                    | 325                      | 30              |     | 30M                 | .02m                     |                        |                        | 1.0                    |                            | TO-5          |
| 55                             | TRSP3255S   | Sld St Dvcs  | .40                    | 325                      | 30              |     | 30M                 | .02m                     |                        |                        | 2.0                    |                            | TO-37var      |
| -                              | TRSP3255S   | SemiconTech  | .40                    | 325                      | 30              |     | 30M                 | .02m                     |                        |                        | 2.0                    |                            | TO-37var      |
| -                              | TRSP3504S   | SemiconTech  | .40                    | 350                      | 30              |     | 30M                 | .02m                     |                        |                        | 1.0                    |                            | TO-5          |
| -                              | TRSP3504S   | Sld St Dvcs  | .40                    | 350                      | 30              |     | 30M                 | .02m                     |                        |                        | 1.0                    |                            | TO-5          |
| -                              | TRSP3505S   | SemiconTech  | .40                    | 350                      | 30              |     | 30M                 | .02m                     |                        |                        | 2.0                    |                            | TO-37var      |
| -                              | TRSP3505S   | Sld St Dvcs  | .40                    | 350                      | 30              |     | 30M                 | .02m                     |                        |                        | 2.0                    |                            | TO-37var      |
| 60                             | TRSP3754S   | Sld St Dvcs  | .40                    | 375                      | 30              |     | 30M                 | .02m                     |                        |                        | 1.0                    |                            | TO-5          |
| -                              | TRSP3754S   | SemiconTech  | .40                    | 375                      | 30              |     | 30M                 | .02m                     |                        |                        | 1.0                    |                            | TO-5          |
| -                              | TRSP3755S   | Sld St Dvcs  | .40                    | 375                      | 30              |     | 30M                 | .02m                     |                        |                        | 2.0                    |                            | TO-37var      |
| -                              | TRSP3755S   | SemiconTech  | .40                    | 375                      | 30              |     | 30M                 | .02m                     |                        |                        | 2.0                    |                            | TO-37var      |
| 65                             | MM4018      | SemiconTech  | 400m                   | 20                       | 10              |     | 900M                | 10u                      |                        |                        | 5.0                    | 175 J                      | TO-39         |
| -                              | MM4018      | Motorola     | 400m                   | 20                       | 10              |     | 900M                | 10u                      |                        |                        | 5.0                    | 175 J                      | TO-39         |
| -                              | MXR5160     | Motorola     | 400m                   | 40                       | 10              |     | 500M                | 1.0u                     |                        |                        | 5.0                    | 140 S                      | SOT-89        |
| -                              | 2N5160      | See Index    | 400m                   | 40                       | 10              |     | 500M                | 1.0u                     |                        |                        | 5.0                    | 175 J                      | TO-39         |
| -                              | MRF545      | Motorola     | 400m                   | 70                       | 15              |     | 1.2G                | 20u                      |                        |                        | 3.5                    | 175 J                      | TO-205AD      |
| -                              | SRSP1004    | SemiconTech  | 400m                   | 100                      | 25              |     | 5.0M                | 3.0u                     |                        |                        | 1.0                    | 175 J                      | TO-5          |
| 70                             | 2SA1475     | Sanyo Elect  | 400m                   | 120                      | 40              | 320 | 500M                | 0.1u                     |                        |                        | 15                     | 140                        | TO-220AB      |
| -                              | SRSP2004    | SemiconTech  | 400m                   | 200                      | 25              |     | 5.0M                | 3.0u                     |                        |                        | 1.0                    | 175 J                      | TO-5          |
| -                              | SRSP2254S   | SemiconTech  | 400m                   | 225                      | 25              |     | 5.0M                | 3.0u                     |                        |                        | 1.0                    | 175 J                      | TO-5          |
| -                              | TRSP2254    | See Index    | 400m                   | 225                      | 25              | 50  | 20M                 | 3.0u                     | 200p                   |                        | 1.0                    | 175 A                      | TO-5          |
| 75                             | TRSP2254S   | See Index    | 400m                   | 225                      | 25              | 50  | 20M                 | 3.0u                     | 200p                   |                        | 1.0                    | 175 A                      | TO-5          |
| -                              | TRSP2255    | See Index    | 400m                   | 225                      | 25              | 50  | 20M                 | 3.0u                     | 200n                   |                        | 2.0                    | 175 A                      | TO-37var      |
| -                              | TRSP2255S   | See Index    | 400m                   | 225                      | 25              | 50  | 20M                 | 3.0u                     | 200n                   |                        | 2.0                    | 175 A                      | TO-37var      |
| -                              | SRSP2504    | SemiconTech  | 400m                   | 250                      | 25              |     | 5.0M                | 3.0u                     |                        |                        | 1.0                    | 175 J                      | TO-5          |
| -                              | SRSP2504S   | SemiconTech  | 400m                   | 250                      | 25              |     | 5.0M                | 3.0u                     |                        |                        | 1.0                    | 175 J                      | TO-5          |
| 80                             | TRSP2504    | See Index    | 400m                   | 250                      | 25              | 50  | 20M                 | 3.0u                     | 200p                   |                        | 1.0                    | 175 A                      | TO-5          |
| -                              | TRSP2504S   | See Index    | 400m                   | 250                      | 25              | 50  | 20M                 | 3.0u                     | 200p                   |                        | 1.0                    | 175 A                      | TO-5          |
| -                              | TRSP2505    | See Index    | 400m                   | 250                      | 25              | 50  | 20M                 | 3.0u                     | 200n                   |                        | 2.0                    | 175 A                      | TO-37var      |
| -                              | TRSP2505S   | See Index    | 400m                   | 250                      | 25              | 50  | 20M                 | 3.0u                     | 200n                   |                        | 2.0                    | 175 A                      | TO-37var      |
| 85                             | SRSP2754S   | SiliconTran  | 400m                   | 275                      | 25              |     | 5.0M                | 3.0u                     |                        |                        | 1.0                    | 175 J                      | TO-5          |
| -                              | SRSP2754S   | SemiconTech  | 400m                   | 275                      | 25              |     | 5.0M                | 3.0u                     |                        |                        | 1.0                    | 175 J                      | TO-5          |
| -                              | TRSP2754    | See Index    | 400m                   | 275                      | 25              | 50  | 20M                 | 3.0u                     | 200p                   |                        | 1.0                    | 175 A                      | TO-5          |
| -                              | TRSP2754S   | See Index    | 400m                   | 275                      | 25              | 50  | 20M                 | 3.0u                     | 200p                   |                        | 1.0                    | 175 A                      | TO-5          |
| -                              | TRSP2755    | See Index    | 400m                   | 275                      | 25              | 50  | 20M                 | 3.0u                     | 200n                   |                        | 2.0                    | 175 A                      | TO-37var      |
| -                              | TRSP2755S   | See Index    | 400m                   | 275                      | 25              | 50  | 20M                 | 3.0u                     | 200n                   |                        | 2.0                    | 175 A                      | TO-37var      |
| -                              | SRSP3014    | SemiconTech  | 400m                   | 300                      | 25              |     | 5.0M                | 3.0u                     |                        |                        | 1.0                    | 175 J                      | TO-5          |
| 90                             | SRSP3014S   | SemiconTech  | 400m                   | 300                      | 25              |     | 5.0M                | 3.0u                     |                        |                        | 1.0                    | 175 J                      | TO-5          |
| -                              | TRSP3014    | See Index    | 400m                   | 300                      | 25              | 50  | 20M                 | 3.0u                     | 200p                   |                        | 1.0                    | 175 A                      | TO-5          |
| -                              | TRSP3014S   | See Index    | 400m                   | 300                      | 25              | 50  | 20M                 | 3.0u                     | 200p                   |                        | 1.0                    | 175 A                      | TO-5          |
| -                              | TRSP3015    | See Index    | 400m                   | 300                      | 25              | 50  | 20M                 | 3.0u                     | 200n                   |                        | 2.0                    | 175 A                      | TO-37var      |
| -                              | TRSP3015S   | See Index    | 400m                   | 300                      | 25              | 50  | 20M                 | 3.0u                     | 200n                   |                        | 2.0                    | 175 A                      | TO-37var      |
| 95                             | SRSP3504    | SemiconTech  | 400m                   | 350                      | 25              |     | 5.0M                | 3.0u                     |                        |                        |                        |                            |               |