

| Article Number | Type      | Package        | Qualification    | Config | Life Cycle         | VCEO (V) | IC (mA) | pol | Ptot (W) | Tjmax (°C) | hfe | VCEsat (mV) |
|----------------|-----------|----------------|------------------|--------|--------------------|----------|---------|-----|----------|------------|-----|-------------|
| DI13001        | SMD       | SOT-23         | Industrial Grade | Single | active             | 700      | 250     | NPN | 0.8      | 150        | 25  | 600         |
| DI2579N        | SMD       | SOT-223        | Industrial Grade | Single | active             | 700      | 1000    | NPN | 1.25     | 150        | 20  | 1000        |
| 2SC3851        | Wire-lead | ITO-220AB      | Industrial Grade | Single | active             | 60       | 4000    | NPN | 25       | 150        | 40  | 500         |
| BCX53-10       | SMD       | SOT-89         | Industrial Grade | Single | active             | 80       | 1000    | PNP | 0.5      | 150        | 160 | 500         |
| BCX53-16-AQ    | SMD       | SOT-89         | AEC-Q101         | Single | active             | 80       | 1000    | PNP | 0.5      | 150        | 250 | 500         |
| BCX53-16-Q     | SMD       | SOT-89         | AEC-Q compliant  | Single | active             | 80       | 1000    | PNP | 0.5      | 150        | 250 | 500         |
| BCX53-16       | SMD       | SOT-89         | Industrial Grade | Single | active             | 80       | 1000    | PNP | 0.5      | 150        | 250 | 500         |
| BCX53-16R13    | SMD       | SOT-89         | Industrial Grade | Single | active             | 80       | 1000    | PNP | 0.5      | 150        | 250 | 500         |
| MMBTA42-AQ     | SMD       | SOT-23         | AEC-Q101         | Single | active             | 300      | 500     | NPN | 0.25     | 150        | 200 | 500         |
| MMBTA42-Q      | SMD       | SOT-23         | AEC-Q compliant  | Single | active             | 300      | 500     | NPN | 0.25     | 150        | 200 | 500         |
| MMBTA42        | SMD       | SOT-23         | Industrial Grade | Single | active             | 300      | 500     | NPN | 0.25     | 150        | 200 | 500         |
| MMBTA44        | SMD       | SOT-23         | Industrial Grade | Single | active             | 400      | 500     | NPN | 0.25     | 150        | 80  | 200         |
| MMBTA44A       | SMD       | SOT-23         | Industrial Grade | Single | active             | 400      | 500     | NPN | 0.25     | 150        | 80  | 200         |
| MMBTA56-AQ     | SMD       | SOT-23         | AEC-Q101         | Single | active             | -80      | -500    | PNP | 0.25     | 150        | 100 | 250         |
| MMBTA56        | SMD       | SOT-23         | Industrial Grade | Single | active             | -80      | -500    | PNP | 0.25     | 150        | 100 | 250         |
| MMBTA92-AQ     | SMD       | SOT-23         | AEC-Q101         | Single | active             | 300      | 500     | PNP | 0.25     | 150        | 40  | 500         |
| MMBTA92        | SMD       | SOT-23         | Industrial Grade | Single | active             | 300      | 500     | PNP | 0.25     | 150        | 40  | 500         |
| MMBTA94A       | SMD       | SOT-23         | Industrial Grade | Single | active             | 400      | 500     | PNP | 0.35     | 150        | 45  | 250         |
| MPSA06BK       | Wire-lead | TO-92BK        | Industrial Grade | Single | active             | 80       | 500     | NPN | 0.625    | 150        | 100 | 250         |
| MPSA42         | Wire-lead | TO-92          | Industrial Grade | Single | active             | 300      | 500     | NPN | 0.625    | 150        | 40  | 500         |
| MPSA42BK       | Wire-lead | TO-92BK        | Industrial Grade | Single | active             | 300      | 500     | NPN | 0.625    | 150        | 40  | 500         |
| MPSA56         | Wire-lead | TO-92          | Industrial Grade | Single | active             | 80       | 500     | PNP | 0.625    | 150        | 100 | 250         |
| MPSA56BK       | Wire-lead | TO-92BK        | Industrial Grade | Single | active             | 80       | 500     | PNP | 0.625    | 150        | 100 | 250         |
| PZTA42-Q       | SMD       | SOT-223        | AEC-Q compliant  | Single | active             | 300      | 500     | NPN | 1.5      | 150        | 40  | 500         |
| PZTA42         | SMD       | SOT-223        | Industrial Grade | Single | active             | 300      | 500     | NPN | 1.5      | 150        | 40  | 500         |
| PZTA94-AQ      | SMD       | SOT-223        | AEC-Q101         | Single | engineering sample | -400     | 500     | PNP | 1.5      | 150        | 160 | 500         |
| PZTA94         | SMD       | SOT-223        | Industrial Grade | Single | engineering sample | -400     | 500     | PNP | 1.5      | 150        | 160 | 500         |
| 2SA1012R       | SMD       | TO-252AA/D-PAK | Industrial Grade | Single | active             | -50      | -5000   | PNP | 5        | 150        | 150 | 400         |
| MPSA92         | Wire-lead | TO-92          | Industrial Grade | Single | active             | 300      | 500     | PNP | 0.625    | 150        | 40  | 500         |
| MPSA92BK       | Wire-lead | TO-92BK        | Industrial Grade | Single | active             | 300      | 500     | PNP | 0.625    | 150        | 40  | 500         |
| BDP50-16-AQ    | SMD       | SOT-223        | AEC-Q101         | Single | engineering sample | 60       | 3000    | PNP | 2        | 150        | 160 | 300         |

|                 |           |                |                  |        |                    |     |      |         |       |     |     |      |
|-----------------|-----------|----------------|------------------|--------|--------------------|-----|------|---------|-------|-----|-----|------|
| BDP50-16-Q      | SMD       | SOT-223        | AEC-Q compliant  | Single | engineering sample | 60  | 3000 | PNP     | 2     | 150 | 160 | 300  |
| BDP50-16        | SMD       | SOT-223        | Industrial Grade | Single | active             | 60  | 3000 | PNP     | 2     | 150 | 160 | 300  |
| 2SC2983-AQ      | SMD       | TO-252AA/D-PAK | AEC-Q101         | Single | engineering sample | 160 | 1500 | NPN     | 15    | 150 | 250 | 500  |
| 2SC2983-Q       | SMD       | TO-252AA/D-PAK | AEC-Q compliant  | Single | active             | 160 | 1500 | NPN     | 15    | 150 | 250 | 500  |
| BC807-40W-AQ    | SMD       | SOT-323        | AEC-Q101         | Single | active             | 45  | 500  | PNP     | 0.2   | 150 | 400 | 700  |
| BC807-40W       | SMD       | SOT-323        | Industrial Grade | Single | active             | 45  | 500  | PNP     | 0.2   | 150 | 400 | 700  |
| BC807-40WR13    | SMD       | SOT-323        | Industrial Grade | Single | active             | 45  | 500  | PNP     | 0.2   | 150 | 400 | 700  |
| BC807K-40-AQ    | SMD       | SOT-23         | AEC-Q101         | Single | engineering sample | 45  | 500  | PNP     | 0.3   | 150 | 400 | 700  |
| BC807K-40R13-AQ | SMD       | SOT-23         | AEC-Q101         | Single | engineering sample | 45  | 500  | PNP     | 0.3   | 150 | 400 | 700  |
| BC817BPN-AQ     | SMD       | SOT-26         | AEC-Q101         | Dual   | engineering sample | 45  | 500  | NPN+PNP | 0.3   | 150 | 280 | 700  |
| BC817BPN-Q      | SMD       | SOT-26         | AEC-Q compliant  | Dual   | active             | 45  | 500  | NPN+PNP | 0.3   | 150 | 280 | 700  |
| BC817BPN        | SMD       | SOT-26         | Industrial Grade | Dual   | active             | 45  | 500  | NPN+PNP | 0.3   | 150 | 280 | 700  |
| 2N5401          | Wire-lead | TO-92          | Industrial Grade | Single | active             | 150 | 600  | PNP     | 0.625 | 150 | 60  | 500  |
| 2N5551          | Wire-lead | TO-92          | Industrial Grade | Single | active             | 160 | 600  | NPN     | 0.625 | 150 | 80  | 200  |
| 2SC2983         | SMD       | TO-252AA/D-PAK | Industrial Grade | Single | active             | 160 | 1500 | NPN     | 15    | 150 | 150 | 1500 |
| BC327-16        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 45  | 800  | PNP     | 0.625 | 150 | 160 | 700  |
| BC327-25        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 45  | 800  | PNP     | 0.625 | 150 | 250 | 700  |
| BC327-25BK      | Wire-lead | TO-92BK        | Industrial Grade | Single | active             | 45  | 800  | PNP     | 0.625 | 150 | 250 | 700  |
| BC327-40        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 45  | 800  | PNP     | 0.625 | 150 | 400 | 700  |
| BC327-40BK      | Wire-lead | TO-92BK        | Industrial Grade | Single | active             | 45  | 800  | PNP     | 0.625 | 150 | 400 | 700  |
| BC328-16        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 25  | 800  | PNP     | 0.625 | 150 | 160 | 700  |
| BC328-25        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 25  | 800  | PNP     | 0.625 | 150 | 250 | 700  |
| BC328-40        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 25  | 800  | PNP     | 0.625 | 150 | 400 | 700  |
| BC337-16        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 45  | 800  | NPN     | 0.625 | 150 | 160 | 700  |
| BC337-16BK      | Wire-lead | TO-92BK        | Industrial Grade | Single | active             | 45  | 800  | NPN     | 0.625 | 150 | 160 | 700  |
| BC337-25        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 45  | 800  | NPN     | 0.625 | 150 | 250 | 700  |
| BC337-25BK      | Wire-lead | TO-92BK        | Industrial Grade | Single | active             | 45  | 800  | NPN     | 0.625 | 150 | 250 | 700  |
| BC337-40        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 45  | 800  | NPN     | 0.625 | 150 | 400 | 700  |
| BC337-40BK      | Wire-lead | TO-92BK        | Industrial Grade | Single | active             | 45  | 800  | NPN     | 0.625 | 150 | 400 | 700  |
| BC338-16        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 25  | 800  | NPN     | 0.625 | 150 | 160 | 700  |
| BC338-25        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 25  | 800  | NPN     | 0.625 | 150 | 250 | 700  |
| BC338-40        | Wire-lead | TO-92          | Industrial Grade | Single | active             | 25  | 800  | NPN     | 0.625 | 150 | 400 | 700  |
| BC807-16-AQ     | SMD       | SOT-23         | AEC-Q101         | Single | engineering sample | 45  | 800  | PNP     | 0.31  | 150 | 160 | 700  |

|              |     |         |                  |        |                    |    |     |     |       |     |     |     |
|--------------|-----|---------|------------------|--------|--------------------|----|-----|-----|-------|-----|-----|-----|
| BC807-16-Q   | SMD | SOT-23  | AEC-Q compliant  | Single | active             | 45 | 800 | PNP | 0.31  | 150 | 160 | 700 |
| BC807-16     | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 800 | PNP | 0.31  | 150 | 160 | 700 |
| BC807-16R13  | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 800 | PNP | 0.31  | 150 | 180 | 700 |
| BC807-16W    | SMD | SOT-323 | Industrial Grade | Single | active             | 45 | 500 | PNP | 0.225 | -   | 160 | 700 |
| BC807-25-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 45 | 800 | PNP | 0.31  | 150 | 250 | 700 |
| BC807-25-Q   | SMD | SOT-23  | AEC-Q compliant  | Single | active             | 45 | 800 | PNP | 0.31  | 150 | 250 | 700 |
| BC807-25     | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 800 | PNP | 0.31  | 150 | 250 | 700 |
| BC807-25W-Q  | SMD | SOT-323 | AEC-Q compliant  | Single | active             | 45 | 500 | PNP | 0.225 | 150 | 250 | 700 |
| BC807-25W    | SMD | SOT-323 | Industrial Grade | Single | engineering sample | 45 | 500 | PNP | 0.225 | 150 | 250 | 700 |
| BC807-40-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 45 | 800 | PNP | 0.31  | 150 | 400 | 700 |
| BC807-40-C   | SMD | SOT-23  | Commercial Grade | Single | engineering sample | 45 | 800 | PNP | 0.31  | 150 | 400 | 700 |
| BC807-40-Q   | SMD | SOT-23  | AEC-Q compliant  | Single | active             | 45 | 800 | PNP | 0.31  | 150 | 400 | 700 |
| BC807-40     | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 800 | PNP | 0.31  | 150 | 400 | 700 |
| BC807-40R13  | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 800 | PNP | 0.31  | 150 | 400 | 700 |
| BC808-16     | SMD | SOT-23  | Industrial Grade | Single | active             | 25 | 800 | PNP | 0.31  | 150 | 160 | 700 |
| BC808-25     | SMD | SOT-23  | Industrial Grade | Single | active             | 25 | 800 | PNP | 0.31  | 150 | 250 | 700 |
| BC808-40     | SMD | SOT-23  | Industrial Grade | Single | active             | 25 | 800 | PNP | 0.31  | 150 | 400 | 700 |
| BC817-16-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 45 | 800 | NPN | 0.31  | 150 | 160 | 700 |
| BC817-16-Q   | SMD | SOT-23  | AEC-Q compliant  | Single | active             | 45 | 800 | NPN | 0.31  | 150 | 160 | 700 |
| BC817-16     | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 800 | NPN | 0.31  | 150 | 160 | 700 |
| BC817-25-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 45 | 800 | NPN | 0.31  | 150 | 280 | 700 |
| BC817-25-Q   | SMD | SOT-23  | AEC-Q compliant  | Single | active             | 45 | 800 | NPN | 0.31  | 150 | 250 | 700 |
| BC817-25     | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 800 | NPN | 0.31  | 150 | 250 | 700 |
| BC817-25W-AQ | SMD | SOT-323 | AEC-Q101         | Single | active             | 45 | 500 | NPN | 0.2   | 150 | 250 | 700 |
| BC817-25W-Q  | SMD | SOT-323 | AEC-Q compliant  | Single | engineering sample | 45 | 500 | NPN | 0.2   | 150 | 250 | 700 |
| BC817-25W    | SMD | SOT-323 | Industrial Grade | Single | active             | 45 | 500 | NPN | 0.2   | 150 | 250 | 700 |
| BC817-40-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 45 | 800 | NPN | 0.31  | 150 | 400 | 700 |
| BC817-40-Q   | SMD | SOT-23  | AEC-Q compliant  | Single | active             | 45 | 800 | NPN | 0.31  | 150 | 400 | 700 |
| BC817-40     | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 800 | NPN | 0.31  | 150 | 400 | 700 |
| BC817-40R13  | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 800 | NPN | 0.31  | 150 | 400 | 700 |
| BC817-40W-AQ | SMD | SOT-323 | AEC-Q101         | Single | engineering sample | 45 | 500 | NPN | 0.2   | 150 | 400 | 700 |
| BC817-40W-Q  | SMD | SOT-323 | AEC-Q compliant  | Single | engineering sample | 45 | 500 | NPN | 0.2   | 150 | 400 | 700 |
| BC817-40W    | SMD | SOT-323 | Industrial Grade | Single | active             | 45 | 500 | NPN | 0.2   | 150 | 400 | 700 |

|            |     |         |                  |        |                    |    |     |         |      |     |     |     |
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| BC818-16   | SMD | SOT-23  | Industrial Grade | Single | active             | 25 | 800 | NPN     | 0.31 | 150 | 160 | 700 |
| BC818-25   | SMD | SOT-23  | Industrial Grade | Single | active             | 25 | 800 | NPN     | 0.31 | 150 | 250 | 700 |
| BC818-40   | SMD | SOT-23  | Industrial Grade | Single | active             | 25 | 800 | NPN     | 0.31 | 150 | 400 | 700 |
| BC846AW    | SMD | SOT-323 | Industrial Grade | Single | active             | 65 | 100 | NPN     | 0.2  | 150 | 180 | 600 |
| BC846B-C   | SMD | SOT-23  | Commercial Grade | Single | engineering sample | 65 | 100 | NPN     | 0.2  | 150 | 290 | 600 |
| BC846BW-AQ | SMD | SOT-323 | AEC-Q101         | Single | active             | 65 | 100 | NPN     | 0.2  | 150 | 290 | 600 |
| BC846BW-Q  | SMD | SOT-323 | AEC-Q compliant  | Single | active             | 65 | 100 | NPN     | 0.2  | 150 | 290 | 600 |
| BC846BW    | SMD | SOT-323 | Industrial Grade | Single | active             | 65 | 100 | NPN     | 0.2  | 150 | 290 | 600 |
| BC846CW-Q  | SMD | SOT-323 | AEC-Q compliant  | Single | active             | 65 | 100 | NPN     | 0.2  | 150 | 520 | 600 |
| BC846CW    | SMD | SOT-323 | Industrial Grade | Single | active             | 65 | 100 | NPN     | 0.2  | 150 | 520 | 600 |
| BC846PN-AQ | SMD | SOT-363 | AEC-Q101         | Dual   | engineering sample | 65 | 100 | NPN+PNP | 0.25 | 150 | 280 | 650 |
| BC846PN    | SMD | SOT-363 | Industrial Grade | Dual   | active             | 65 | 100 | NPN+PNP | 0.25 | 150 | 280 | 650 |
| BC846S-AQ  | SMD | SOT-363 | AEC-Q101         | Dual   | active             | 65 | 100 | NPN     | 0.25 | 150 | 270 | 650 |
| BC846S-Q   | SMD | SOT-363 | AEC-Q compliant  | Dual   | active             | 65 | 100 | NPN     | 0.25 | 150 | 270 | 650 |
| BC846S     | SMD | SOT-363 | Industrial Grade | Dual   | active             | 65 | 100 | NPN     | 0.25 | 150 | 270 | 650 |
| BC847AW    | SMD | SOT-323 | Industrial Grade | Single | active             | 45 | 100 | NPN     | 0.2  | 150 | 180 | 600 |
| BC847BW-AQ | SMD | SOT-323 | AEC-Q101         | Single | active             | 45 | 100 | NPN     | 0.2  | 150 | 290 | 600 |
| BC847BW-Q  | SMD | SOT-323 | AEC-Q compliant  | Single | engineering sample | 45 | 100 | NPN     | 0.2  | 150 | 290 | 600 |
| BC847BW    | SMD | SOT-323 | Industrial Grade | Single | active             | 45 | 100 | NPN     | 0.2  | 150 | 290 | 600 |
| BC847CW-AQ | SMD | SOT-323 | AEC-Q101         | Single | engineering sample | 45 | 100 | NPN     | 0.2  | 150 | 520 | 600 |
| BC847CW    | SMD | SOT-323 | Industrial Grade | Single | active             | 45 | 100 | NPN     | 0.2  | 150 | 520 | 600 |
| BC847PN-AQ | SMD | SOT-363 | AEC-Q101         | Dual   | active             | 45 | 100 | NPN+PNP | 0.25 | 150 | 280 | 650 |
| BC847PN-Q  | SMD | SOT-363 | AEC-Q compliant  | Dual   | active             | 45 | 100 | NPN+PNP | 0.25 | 150 | 280 | 650 |
| BC847S-AQ  | SMD | SOT-363 | AEC-Q101         | Dual   | active             | 45 | 100 | NPN     | 0.25 | 150 | 270 | 650 |
| BC847S     | SMD | SOT-363 | Industrial Grade | Dual   | active             | 45 | 100 | NPN     | 0.25 | 150 | 270 | 650 |
| BC848AW    | SMD | SOT-323 | Industrial Grade | Single | active             | 30 | 100 | NPN     | 0.2  | 150 | 180 | 600 |
| BC848BW    | SMD | SOT-323 | Industrial Grade | Single | active             | 30 | 100 | NPN     | 0.2  | 150 | 290 | 600 |
| BC848C-C   | SMD | SOT-23  | Commercial Grade | Single | active             | 30 | 100 | NPN     | 0.2  | 150 | 520 | 600 |
| BC848CW    | SMD | SOT-323 | Industrial Grade | Single | active             | 30 | 100 | NPN     | 0.2  | 150 | 520 | 600 |
| BC849BW    | SMD | SOT-323 | Industrial Grade | Single | active             | 30 | 100 | NPN     | 0.2  | 150 | 290 | 600 |
| BC849CW    | SMD | SOT-323 | Industrial Grade | Single | active             | 30 | 100 | NPN     | 0.2  | 150 | 520 | 600 |
| BC856A-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 65 | 100 | PNP     | 0.25 | 150 | 180 | 650 |
| BC856A-Q   | SMD | SOT-23  | AEC-Q compliant  | Single | active             | 65 | 100 | PNP     | 0.25 | 150 | 180 | 650 |

|            |     |         |                  |        |                    |    |     |     |      |     |     |     |
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| BC856A     | SMD | SOT-23  | Industrial Grade | Single | active             | 65 | 100 | PNP | 0.25 | 150 | 180 | 650 |
| BC856AW    | SMD | SOT-323 | Industrial Grade | Single | active             | 65 | 100 | PNP | 0.2  | 150 | 180 | 650 |
| BC856B-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 65 | 100 | PNP | 0.25 | 150 | 290 | 650 |
| BC856B-Q   | SMD | SOT-23  | AEC-Q compliant  | Single | active             | 65 | 100 | PNP | 0.25 | 150 | 290 | 650 |
| BC856B     | SMD | SOT-23  | Industrial Grade | Single | active             | 65 | 100 | PNP | 0.25 | 150 | 290 | 650 |
| BC856BW-AQ | SMD | SOT-323 | AEC-Q101         | Single | engineering sample | 65 | 100 | PNP | 0.2  | 150 | 290 | 600 |
| BC856BW    | SMD | SOT-323 | Industrial Grade | Single | active             | 65 | 100 | PNP | 0.2  | 150 | 290 | 650 |
| BC856C-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 65 | 100 | PNP | 0.25 | 150 | 520 | 650 |
| BC856C-Q   | SMD | SOT-23  | AEC-Q compliant  | Single | active             | 65 | 100 | PNP | 0.25 | 150 | 520 | 650 |
| BC856C     | SMD | SOT-23  | Industrial Grade | Single | active             | 65 | 100 | PNP | 0.25 | 150 | 520 | 650 |
| BC856CW    | SMD | SOT-323 | Industrial Grade | Single | active             | 65 | 100 | PNP | 0.2  | 150 | 520 | 650 |
| BC856S-AQ  | SMD | SOT-363 | AEC-Q101         | Dual   | active             | 65 | 100 | PNP | 0.31 | 150 | 350 | 600 |
| BC856S     | SMD | SOT-363 | Industrial Grade | Dual   | active             | 65 | 100 | PNP | 0.31 | 150 | 350 | 600 |
| BC857A-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 45 | 100 | PNP | 0.25 | 150 | 180 | 650 |
| BC857A     | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 100 | PNP | 0.25 | 150 | 180 | 650 |
| BC857AW    | SMD | SOT-323 | Industrial Grade | Single | active             | 45 | 100 | PNP | 0.2  | 150 | 180 | 650 |
| BC857B-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 45 | 100 | PNP | 0.25 | 150 | 290 | 650 |
| BC857B-C   | SMD | SOT-23  | Commercial Grade | Single | engineering sample | 45 | 100 | PNP | 0.2  | 150 | 290 | 500 |
| BC857B-Q   | SMD | SOT-23  | AEC-Q compliant  | Single | active             | 45 | 100 | PNP | 0.25 | 150 | 290 | 650 |
| BC857B     | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 100 | PNP | 0.25 | 150 | 290 | 650 |
| BC857BR13  | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 100 | PNP | 0.25 | 150 | 290 | 650 |
| BC857BW-AQ | SMD | SOT-323 | AEC-Q101         | Single | engineering sample | 45 | 100 | PNP | 0.2  | 150 | 290 | 650 |
| BC857BW-Q  | SMD | SOT-323 | AEC-Q compliant  | Single | engineering sample | 45 | 100 | PNP | 0.2  | 150 | 290 | 650 |
| BC857BW    | SMD | SOT-323 | Industrial Grade | Single | active             | 45 | 100 | PNP | 0.2  | 150 | 290 | 650 |
| BC857C-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 45 | 100 | PNP | 0.25 | 150 | 520 | 650 |
| BC857C     | SMD | SOT-23  | Industrial Grade | Single | active             | 45 | 100 | PNP | 0.25 | 150 | 520 | 650 |
| BC857CW    | SMD | SOT-323 | Industrial Grade | Single | active             | 45 | 100 | PNP | 0.2  | 150 | 520 | 650 |
| BC857S-AQ  | SMD | SOT-363 | AEC-Q101         | Dual   | active             | 45 | 100 | PNP | 0.31 | 150 | 350 | 600 |
| BC857S-Q   | SMD | SOT-363 | AEC-Q compliant  | Dual   | active             | 45 | 100 | PNP | 0.31 | 150 | 350 | 600 |
| BC857S     | SMD | SOT-363 | Industrial Grade | Dual   | active             | 45 | 100 | PNP | 0.31 | 150 | 350 | 600 |
| BC858A-AQ  | SMD | SOT-23  | AEC-Q101         | Single | active             | 30 | 100 | PNP | 0.25 | 150 | 180 | 650 |
| BC858A     | SMD | SOT-23  | Industrial Grade | Single | active             | 30 | 100 | PNP | 0.25 | 150 | 180 | 650 |
| BC858AW    | SMD | SOT-323 | Industrial Grade | Single | active             | 30 | 100 | PNP | 0.2  | 150 | 180 | 650 |

|             |     |         |                  |        |                    |     |      |     |       |     |     |     |
|-------------|-----|---------|------------------|--------|--------------------|-----|------|-----|-------|-----|-----|-----|
| BC858B-AQ   | SMD | SOT-23  | AEC-Q101         | Single | active             | 30  | 100  | PNP | 0.25  | 150 | 290 | 650 |
| BC858B-C    | SMD | SOT-23  | Commercial Grade | Single | engineering sample | 30  | 100  | PNP | 0.2   | 150 | 290 | 500 |
| BC858B      | SMD | SOT-23  | Industrial Grade | Single | active             | 30  | 100  | PNP | 0.25  | 150 | 290 | 650 |
| BC858BW     | SMD | SOT-323 | Industrial Grade | Single | active             | 30  | 100  | PNP | 0.2   | 150 | 290 | 650 |
| BC858C-AQ   | SMD | SOT-23  | AEC-Q101         | Single | active             | 30  | 100  | PNP | 0.25  | 150 | 520 | 650 |
| BC858C      | SMD | SOT-23  | Industrial Grade | Single | active             | 30  | 100  | PNP | 0.25  | 150 | 520 | 650 |
| BC858CW     | SMD | SOT-323 | Industrial Grade | Single | active             | 30  | 100  | PNP | 0.2   | 150 | 520 | 650 |
| BC859A-AQ   | SMD | SOT-23  | AEC-Q101         | Single | active             | 30  | 100  | PNP | 0.25  | 150 | 180 | 650 |
| BC859A      | SMD | SOT-23  | Industrial Grade | Single | active             | 30  | 100  | PNP | 0.25  | 150 | 180 | 650 |
| BC859AW     | SMD | SOT-323 | Industrial Grade | Single | active             | 30  | 100  | PNP | 0.2   | 150 | 180 | 650 |
| BC859B-AQ   | SMD | SOT-23  | AEC-Q101         | Single | active             | 30  | 100  | PNP | 0.25  | 150 | 290 | 650 |
| BC859B      | SMD | SOT-23  | Industrial Grade | Single | active             | 30  | 100  | PNP | 0.25  | 150 | 290 | 650 |
| BC859BW     | SMD | SOT-323 | Industrial Grade | Single | active             | 30  | 100  | PNP | 0.2   | 150 | 290 | 650 |
| BC859C-AQ   | SMD | SOT-23  | AEC-Q101         | Single | active             | 30  | 100  | PNP | 0.25  | 150 | 520 | 650 |
| BC859C      | SMD | SOT-23  | Industrial Grade | Single | active             | 30  | 100  | PNP | 0.25  | 150 | 520 | 650 |
| BC859CW     | SMD | SOT-323 | Industrial Grade | Single | active             | 30  | 100  | PNP | 0.2   | 150 | 520 | 650 |
| BC860B      | SMD | SOT-23  | Industrial Grade | Single | active             | 45  | 100  | PNP | 0.25  | 150 | 290 | 650 |
| BC860C      | SMD | SOT-23  | Industrial Grade | Single | active             | 45  | 100  | PNP | 0.25  | 150 | 520 | 650 |
| BCM846BS    | SMD | SOT-363 | Industrial Grade | Dual   | active             | 65  | 100  | NPN | 0.25  | 150 | 270 | 650 |
| BCM847BS    | SMD | SOT-363 | Industrial Grade | Dual   | active             | 45  | 100  | NPN | 0.25  | 150 | 270 | 650 |
| BCP55-10    | SMD | SOT-223 | Industrial Grade | Single | active             | 60  | 1000 | NPN | 2     | 150 | 63  | 500 |
| BCP55-16-AQ | SMD | SOT-223 | AEC-Q101         | Single | active             | 60  | 1000 | NPN | 2     | 150 | 100 | 500 |
| BCP55-16    | SMD | SOT-223 | Industrial Grade | Single | active             | 60  | 1000 | NPN | 2     | 150 | 100 | 500 |
| BCP55-6     | SMD | SOT-223 | Industrial Grade | Single | active             | 60  | 1000 | NPN | 2     | 150 | 40  | 500 |
| BCP56-10-AQ | SMD | SOT-223 | AEC-Q101         | Single | active             | 80  | 1000 | NPN | 2     | 150 | 63  | 500 |
| BCP56-10-Q  | SMD | SOT-223 | AEC-Q compliant  | Single | active             | 80  | 1000 | NPN | 2     | 150 | 63  | 500 |
| BCP56-10    | SMD | SOT-223 | Industrial Grade | Single | active             | 80  | 1000 | NPN | 2     | 150 | 63  | 500 |
| BCP56-16-AQ | SMD | SOT-223 | AEC-Q101         | Single | active             | 80  | 1000 | NPN | 2     | 150 | 100 | 500 |
| BCP56-16-Q  | SMD | SOT-223 | AEC-Q compliant  | Single | active             | 80  | 1000 | NPN | 2     | 150 | 100 | 500 |
| BCP56-16    | SMD | SOT-223 | Industrial Grade | Single | active             | 80  | 1000 | NPN | 2     | 150 | 100 | 500 |
| BCP56-6     | SMD | SOT-223 | Industrial Grade | Single | active             | 80  | 1000 | NPN | 2     | 150 | 40  | 500 |
| FMMT555A    | SMD | SOT-23  | Industrial Grade | Single | engineering sample | 150 | 1000 | PNP | 0.5   | 150 | 160 | 100 |
| FMMT619A    | SMD | SOT-23  | Industrial Grade | Single | active             | 50  | 2000 | NPN | 0.625 | 150 | 225 | 150 |

|             |           |         |                  |        |                    |     |      |         |       |     |     |     |
|-------------|-----------|---------|------------------|--------|--------------------|-----|------|---------|-------|-----|-----|-----|
| MMBT3946DW  | SMD       | SOT-363 | Industrial Grade | Dual   | engineering sample | 45  | 100  | NPN+PNP | 0.25  | -   | 280 | 650 |
| MMBTA06-AQ  | SMD       | SOT-23  | AEC-Q101         | Single | active             | 80  | 500  | NPN     | 0.25  | 150 | 100 | 250 |
| MMBTA06-C   | SMD       | SOT-23  | Commercial Grade | Single | engineering sample | 80  | 500  | NPN     | 0.25  | 150 | 100 | 250 |
| MMBTA06-Q   | SMD       | SOT-23  | AEC-Q compliant  | Single | engineering sample | 80  | 500  | NPN     | 0.25  | 150 | 100 | 250 |
| MMBTA06     | SMD       | SOT-23  | Industrial Grade | Single | active             | 80  | 500  | NPN     | 0.25  | 150 | 100 | 250 |
| MPSA06      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 80  | 500  | NPN     | 0.625 | 150 | 100 | 250 |
| BCP51-10    | SMD       | SOT-223 | Industrial Grade | Single | engineering sample | 45  | 1000 | PNP     | 2     | 150 | 160 | 500 |
| BCP53-10    | SMD       | SOT-223 | Industrial Grade | Single | active             | 80  | 1000 | PNP     | 2     | 150 | 63  | 500 |
| BCP53-16-AQ | SMD       | SOT-223 | AEC-Q101         | Single | active             | 80  | 1000 | PNP     | 2     | 150 | 100 | 500 |
| BCP53-16-Q  | SMD       | SOT-223 | AEC-Q compliant  | Single | active             | 80  | 1000 | PNP     | 2     | 150 | 100 | 500 |
| BCP53-16    | SMD       | SOT-223 | Industrial Grade | Single | active             | 80  | 1000 | PNP     | 2     | 150 | 100 | 500 |
| BCP53-6     | SMD       | SOT-223 | Industrial Grade | Single | active             | 80  | 1000 | PNP     | 2     | 150 | 40  | 500 |
| BCX56-10    | SMD       | SOT-89  | Industrial Grade | Single | active             | 80  | 1000 | NPN     | 0.5   | 150 | 160 | 500 |
| BCX56-16-AQ | SMD       | SOT-89  | AEC-Q101         | Single | active             | 80  | 1000 | NPN     | 0.5   | 150 | 250 | 500 |
| BCX56-16-Q  | SMD       | SOT-89  | AEC-Q compliant  | Single | active             | 80  | 1000 | NPN     | 0.5   | 150 | 250 | 500 |
| BCX56-16    | SMD       | SOT-89  | Industrial Grade | Single | active             | 80  | 1000 | NPN     | 0.5   | 150 | 250 | 500 |
| BC556A      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 65  | 100  | PNP     | 0.5   | 150 | 120 | 250 |
| BC556ABK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 65  | 100  | PNP     | 0.5   | 150 | 120 | 250 |
| BC556B      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 65  | 100  | PNP     | 0.5   | 150 | 200 | 250 |
| BC556BBK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 65  | 100  | PNP     | 0.5   | 150 | 200 | 250 |
| BC556C      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 65  | 100  | PNP     | 0.5   | 150 | 400 | 250 |
| BC557A      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 45  | 100  | PNP     | 0.5   | 150 | 120 | 250 |
| BC557B      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 45  | 100  | PNP     | 0.5   | 150 | 200 | 250 |
| BC557BBK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 45  | 100  | PNP     | 0.5   | 150 | 200 | 250 |
| BC557C      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 45  | 100  | PNP     | 0.5   | 150 | 400 | 250 |
| BC557CBK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 45  | 100  | PNP     | 0.5   | 150 | 330 | 650 |
| BC558A      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30  | 100  | PNP     | 0.5   | 150 | 120 | 250 |
| BC558B      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30  | 100  | PNP     | 0.5   | 150 | 200 | 250 |
| BC558C      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30  | 100  | PNP     | 0.5   | 150 | 400 | 250 |
| BC559A      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30  | 100  | PNP     | 0.5   | 150 | 120 | 250 |
| BC559B      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30  | 100  | PNP     | 0.5   | 150 | 200 | 250 |
| BC559C      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30  | 100  | PNP     | 0.5   | 150 | 400 | 250 |
| FMMT493A    | SMD       | SOT-23  | Industrial Grade | Single | active             | 100 | 2000 | NPN     | 0.5   | 150 | 200 | 300 |

|              |           |                |                  |                |                    |     |      |     |       |     |       |      |
|--------------|-----------|----------------|------------------|----------------|--------------------|-----|------|-----|-------|-----|-------|------|
| FMMT720A     | SMD       | SOT-23         | Industrial Grade | Single         | active             | 40  | 1500 | PNP | 0.625 | 150 | 130   | 245  |
| BC817-16W    | SMD       | SOT-323        | Industrial Grade | Single         | active             | 45  | 500  | NPN | 0.225 | -   | 160   | 700  |
| BC817K-16-AQ | SMD       | SOT-23         | AEC-Q101         | Single         | active             | 45  | 500  | NPN | 0.5   | 150 | 180   | 700  |
| BC817K-16    | SMD       | SOT-23         | Industrial Grade | Single         | active             | 45  | 500  | NPN | 0.5   | 150 | 180   | 700  |
| BC817K-25-Q  | SMD       | SOT-23         | AEC-Q compliant  | Single         | active             | 45  | 500  | NPN | 0.5   | 150 | 400   | 700  |
| BC817K-25    | SMD       | SOT-23         | Industrial Grade | Single         | active             | 45  | 500  | NPN | 0.5   | 150 | 400   | 700  |
| BC817K-40-AQ | SMD       | SOT-23         | AEC-Q101         | Single         | active             | 45  | 500  | NPN | 0.5   | 150 | 630   | 700  |
| BC817K-40    | SMD       | SOT-23         | Industrial Grade | Single         | active             | 45  | 500  | NPN | 0.5   | 150 | 630   | 700  |
| BC817K-40R13 | SMD       | SOT-23         | Industrial Grade | Single         | active             | 45  | 500  | NPN | 0.5   | 150 | 630   | 700  |
| BCV47        | SMD       | SOT-23         | Industrial Grade | Darlington NPN | active             | 60  | 100  | NPN | 0.36  | 150 | 10000 | 1000 |
| BCW66F       | SMD       | SOT-23         | Industrial Grade | Single         | active             | 45  | 600  | NPN | 0.3   | 150 | 160   | 700  |
| 2SD1815SR-Q  | SMD       | TO-252AA/D-PAK | AEC-Q compliant  | Single         | active             | 100 | 3000 | NPN | 20    | 150 | 210   | 400  |
| 2SD1815TR-AQ | SMD       | TO-252AA/D-PAK | AEC-Q101         | Single         | active             | 100 | 3000 | NPN | 20    | 150 | 300   | 400  |
| 2SD1815TR-Q  | SMD       | TO-252AA/D-PAK | AEC-Q compliant  | Single         | active             | 100 | 3000 | NPN | 20    | 150 | 300   | 400  |
| MMBTSC2412   | SMD       | SOT-363        | Industrial Grade | Dual           | engineering sample | 50  | 150  | NPN | 0.15  | 150 | 560   | 400  |
| BST62        | SMD       | SOT-89         | Industrial Grade | Single         | engineering sample | 110 | 1000 | PNP | 1.3   | 150 | 800   | 1200 |
| 2N4403       | Wire-lead | TO-92          | Industrial Grade | Single         | active             | 40  | 600  | PNP | 0.625 | 150 | 100   | 750  |
| MMBT2907A-AQ | SMD       | SOT-23         | AEC-Q101         | Single         | engineering sample | 60  | 600  | PNP | 0.25  | 150 | 100   | 1600 |
| MMBT2907A-Q  | SMD       | SOT-23         | AEC-Q compliant  | Single         | active             | 60  | 600  | PNP | 0.25  | 150 | 100   | 1600 |
| MMBT2907A    | SMD       | SOT-23         | Industrial Grade | Single         | active             | 60  | 600  | PNP | 0.25  | 150 | 100   | 1600 |
| MMBT4403-AQ  | SMD       | SOT-23         | AEC-Q101         | Single         | active             | 40  | 600  | PNP | 0.25  | 150 | 100   | 750  |
| MMBT4403     | SMD       | SOT-23         | Industrial Grade | Single         | active             | 40  | 600  | PNP | 0.25  | 150 | 100   | 750  |
| 2N2222A      | Wire-lead | TO-92          | Industrial Grade | Single         | active             | 40  | 600  | NPN | 0.625 | 150 | 100   | 300  |
| 2N2907A      | Wire-lead | TO-92          | Industrial Grade | Single         | active             | 60  | 600  | PNP | 0.625 | 150 | 200   | 300  |
| 2N3906       | Wire-lead | TO-92          | Industrial Grade | Single         | active             | 40  | 200  | PNP | 0.625 | 150 | 100   | 400  |
| 2N4401       | Wire-lead | TO-92          | Industrial Grade | Single         | active             | 40  | 600  | NPN | 0.25  | 150 | 100   | 750  |
| MMBT2222A-AQ | SMD       | SOT-23         | AEC-Q101         | Single         | active             | 40  | 600  | NPN | 0.25  | 150 | 375   | 1    |
| MMBT2222A-Q  | SMD       | SOT-23         | AEC-Q compliant  | Single         | active             | 40  | 600  | NPN | 0.25  | 150 | 375   | 1    |
| MMBT2222A    | SMD       | SOT-23         | Industrial Grade | Single         | active             | 40  | 600  | NPN | 0.25  | 150 | 375   | 1000 |
| MMBT3906-AQ  | SMD       | SOT-23         | AEC-Q101         | Single         | active             | 40  | 200  | PNP | 0.25  | 150 | 300   | 400  |
| MMBT3906-Q   | SMD       | SOT-23         | AEC-Q compliant  | Single         | active             | 40  | 200  | PNP | 0.25  | 150 | 300   | 400  |
| MMBT3906     | SMD       | SOT-23         | Industrial Grade | Single         | active             | 40  | 200  | PNP | 0.25  | 150 | 300   | 400  |
| MMBT3906SW   | SMD       | SOT-323        | Industrial Grade | Single         | engineering sample | 40  | 200  | PNP | 0.2   | 150 | 180   | 250  |

|             |           |         |                  |        |                    |    |      |         |       |     |     |     |
|-------------|-----------|---------|------------------|--------|--------------------|----|------|---------|-------|-----|-----|-----|
| MMBT4401-AQ | SMD       | SOT-23  | AEC-Q101         | Single | active             | 40 | 600  | NPN     | 0.25  | 150 | 300 | 750 |
| MMBT4401-Q  | SMD       | SOT-23  | AEC-Q compliant  | Single | engineering sample | 40 | 600  | NPN     | 0.25  | 150 | 300 | 750 |
| MMBT4401    | SMD       | SOT-23  | Industrial Grade | Single | active             | 40 | 600  | NPN     | 0.25  | 150 | 300 | 750 |
| MMBT4413SDW | SMD       | SOT-363 | Industrial Grade | Dual   | engineering sample | 60 | 600  | NPN+PNP | 0.2   | 150 | 300 | 400 |
| 2SAR544R    | SMD       | SOT-23  | Industrial Grade | Single | active             | 80 | 2500 | PNP     | 1     | 150 | 250 | 400 |
| 2SCR544R    | SMD       | SOT-23  | Industrial Grade | Single | active             | 80 | 2500 | NPN     | 1     | 150 | 250 | 300 |
| 2N3904      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 40 | 200  | NPN     | 0.625 | 150 | 100 | 300 |
| 2N3904BK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 40 | 200  | NPN     | 0.625 | 150 | 100 | 300 |
| BC546A      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 65 | 100  | NPN     | 0.5   | 150 | 120 | 600 |
| BC546ABK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 65 | 100  | NPN     | 0.5   | 150 | 110 | 600 |
| BC546B      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 65 | 100  | NPN     | 0.5   | 150 | 200 | 600 |
| BC546BBK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 65 | 100  | NPN     | 0.5   | 150 | 200 | 600 |
| BC546C      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 65 | 100  | NPN     | 0.5   | 150 | 400 | 600 |
| BC547A      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 45 | 100  | NPN     | 0.5   | 150 | 120 | 600 |
| BC547ABK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 45 | 100  | NPN     | 0.5   | 150 | 120 | 600 |
| BC547B      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 45 | 100  | NPN     | 0.5   | 150 | 200 | 600 |
| BC547BBK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 45 | 100  | NPN     | 0.5   | 150 | 200 | 600 |
| BC547C      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 45 | 100  | NPN     | 0.5   | 150 | 400 | 600 |
| BC547CBK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 45 | 100  | NPN     | 0.5   | 150 | 400 | 600 |
| BC548A      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30 | 100  | NPN     | 0.5   | 150 | 120 | 600 |
| BC548B      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30 | 100  | NPN     | 0.5   | 150 | 200 | 600 |
| BC548BBK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 30 | 100  | NPN     | 0.5   | 150 | 200 | 600 |
| BC548C      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30 | 100  | NPN     | 0.5   | 150 | 400 | 600 |
| BC548CBK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 30 | 100  | NPN     | 0.5   | 150 | 400 | 600 |
| BC549A      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30 | 100  | NPN     | 0.5   | 150 | 110 | 600 |
| BC549B      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30 | 100  | NPN     | 0.5   | 150 | 200 | 600 |
| BC549BBK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 30 | 100  | NPN     | 0.5   | 150 | 200 | 600 |
| BC549C      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 30 | 100  | NPN     | 0.5   | 150 | 400 | 600 |
| BC549CBK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 30 | 100  | NPN     | 0.5   | 150 | 400 | 600 |
| BC846A-AQ   | SMD       | SOT-23  | AEC-Q101         | Single | active             | 65 | 100  | NPN     | 0.25  | 150 | 180 | 600 |
| BC846A-Q    | SMD       | SOT-23  | AEC-Q compliant  | Single | active             | 65 | 100  | NPN     | 0.25  | 150 | 180 | 600 |
| BC846A      | SMD       | SOT-23  | Industrial Grade | Single | active             | 65 | 100  | NPN     | 0.25  | 150 | 180 | 600 |
| BC846B-AQ   | SMD       | SOT-23  | AEC-Q101         | Single | active             | 65 | 100  | NPN     | 0.25  | 150 | 290 | 600 |

|           |     |           |                  |        |        |    |     |         |      |     |     |     |
|-----------|-----|-----------|------------------|--------|--------|----|-----|---------|------|-----|-----|-----|
| BC846B-Q  | SMD | SOT-23    | AEC-Q compliant  | Single | active | 65 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC846B    | SMD | SOT-23    | Industrial Grade | Single | active | 65 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC846BR13 | SMD | SOT-23    | Industrial Grade | Single | active | 65 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC846C-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 65 | 100 | NPN     | 0.25 | 150 | 520 | 600 |
| BC846C    | SMD | SOT-23    | Industrial Grade | Single | active | 65 | 100 | NPN     | 0.25 | 150 | 520 | 600 |
| BC847A-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 180 | 600 |
| BC847A-Q  | SMD | SOT-23    | AEC-Q compliant  | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 180 | 600 |
| BC847A    | SMD | SOT-23    | Industrial Grade | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 180 | 600 |
| BC847B-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC847B-C  | SMD | SOT-23    | Commercial Grade | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC847B-Q  | SMD | SOT-23    | AEC-Q compliant  | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC847B    | SMD | SOT-23    | Industrial Grade | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC847BP   | SMD | DFN1006-3 | Industrial Grade | Single | active | 45 | 100 | NPN     | 0.15 | 150 | 325 | 600 |
| BC847BR13 | SMD | SOT-23    | Industrial Grade | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC847C-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 520 | 600 |
| BC847C-C  | SMD | SOT-23    | Commercial Grade | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 520 | 600 |
| BC847C-Q  | SMD | SOT-23    | AEC-Q compliant  | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 520 | 600 |
| BC847C    | SMD | SOT-23    | Industrial Grade | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 520 | 600 |
| BC847PN   | SMD | SOT-363   | Industrial Grade | Dual   | active | 45 | 100 | NPN+PNP | 0.2  | 150 | 300 | 300 |
| BC848A-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 180 | 600 |
| BC848A    | SMD | SOT-23    | Industrial Grade | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 180 | 600 |
| BC848B-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC848B    | SMD | SOT-23    | Industrial Grade | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC848C-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 520 | 600 |
| BC848C    | SMD | SOT-23    | Industrial Grade | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 520 | 600 |
| BC849A-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 180 | 600 |
| BC849A    | SMD | SOT-23    | Industrial Grade | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 180 | 600 |
| BC849B-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC849B    | SMD | SOT-23    | Industrial Grade | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 290 | 600 |
| BC849C-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 520 | 600 |
| BC849C    | SMD | SOT-23    | Industrial Grade | Single | active | 30 | 100 | NPN     | 0.25 | 150 | 520 | 600 |
| BC850A-AQ | SMD | SOT-23    | AEC-Q101         | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 180 | 600 |
| BC850A    | SMD | SOT-23    | Industrial Grade | Single | active | 45 | 100 | NPN     | 0.25 | 150 | 180 | 600 |

|             |           |         |                  |        |                    |     |     |         |       |     |     |     |
|-------------|-----------|---------|------------------|--------|--------------------|-----|-----|---------|-------|-----|-----|-----|
| BC850B-AQ   | SMD       | SOT-23  | AEC-Q101         | Single | active             | 45  | 100 | NPN     | 0.25  | 150 | 290 | 600 |
| BC850B      | SMD       | SOT-23  | Industrial Grade | Single | active             | 45  | 100 | NPN     | 0.25  | 150 | 290 | 600 |
| BC850C-AQ   | SMD       | SOT-23  | AEC-Q101         | Single | active             | 45  | 100 | NPN     | 0.25  | 150 | 520 | 600 |
| BC850C      | SMD       | SOT-23  | Industrial Grade | Single | active             | 45  | 100 | NPN     | 0.25  | 150 | 520 | 600 |
| MMBT3904-AQ | SMD       | SOT-23  | AEC-Q101         | Single | active             | 40  | 200 | NPN     | 0.35  | 150 | 300 | 300 |
| MMBT3904-Q  | SMD       | SOT-23  | AEC-Q compliant  | Single | active             | 40  | 200 | NPN     | 0.35  | 150 | 300 | 300 |
| MMBT3904    | SMD       | SOT-23  | Industrial Grade | Single | active             | 40  | 200 | NPN     | 0.35  | 150 | 300 | 300 |
| MMBT5401-AQ | SMD       | SOT-23  | AEC-Q101         | Single | engineering sample | 150 | 600 | PNP     | 0.25  | 150 | 200 | 500 |
| MMBT5401-Q  | SMD       | SOT-23  | AEC-Q compliant  | Single | active             | 150 | 600 | PNP     | 0.25  | 150 | 200 | 500 |
| MMBT5401    | SMD       | SOT-23  | Industrial Grade | Single | active             | 150 | 600 | PNP     | 0.25  | 150 | 200 | 500 |
| MMBT5451SDW | SMD       | SOT-363 | Industrial Grade | Dual   | engineering sample | 160 | 200 | NPN+PNP | 0.2   | 150 | 300 | 500 |
| MMBT5551-AQ | SMD       | SOT-23  | AEC-Q101         | Single | active             | 160 | 600 | NPN     | 0.25  | 150 | 250 | 200 |
| MMBT5551-Q  | SMD       | SOT-23  | AEC-Q compliant  | Single | active             | 160 | 600 | NPN     | 0.25  | 150 | 250 | 200 |
| MMBT5551    | SMD       | SOT-23  | Industrial Grade | Single | active             | 160 | 600 | NPN     | 0.25  | 150 | 250 | 200 |
| MMDT2227-Q  | SMD       | SOT-363 | AEC-Q compliant  | Dual   | engineering sample | 60  | 600 | NPN+PNP | 0.2   | 150 | 300 | 0.3 |
| MMDT2227    | SMD       | SOT-363 | Industrial Grade | Dual   | active             | 60  | 600 | NPN+PNP | 0.2   | 150 | 300 | 0.3 |
| BFS20       | SMD       | SOT-23  | Industrial Grade | Single | active             | 20  | 25  | NPN     | 0.2   | 150 | 85  | -   |
| BC672S      | SMD       | SOT-363 | Industrial Grade | Dual   | active             | 18  | 50  | NPN     | 0.15  | 150 | 150 | 500 |
| MMBT2369    | SMD       | SOT-23  | Industrial Grade | Single | end of life        | 15  | 200 | NPN     | 0.25  | 150 | 80  | 250 |
| MMBT A94    | SMD       | SOT-23  | Industrial Grade | Single | active             | 400 | 300 | PNP     | 0.2   | 150 | 40  | 750 |
| MPSA44      | Wire-lead | TO-92   | Industrial Grade | Single | active             | 400 | 300 | NPN     | 0.625 | 150 | 200 | 750 |
| MPSA44BK    | Wire-lead | TO-92BK | Industrial Grade | Single | active             | 400 | 300 | NPN     | 0.625 | 150 | 200 | 750 |