

MATCHED PAIRS & COMPOSITES

| Item Number | Part Number | Manufacturer | V _{(BR)CEO} (V) | I _c Max (A) | f _T (Hz) | P _D Max (W) | Matl. | Description | Package Style | |
|---------------------------------------|-----------------|--------------|-----------------------------|------------------------------|------------------------|------------------------------|-------|-------------|------------------------|------------|
| NPN Monolithic Pairs, (Cont'd) | | | | | | | | | | |
| - | AD815 | MicroPwrSys | 20 | 2k | 10m | 10M | 500m | Si | VBE1-2 1mV max | TO-71 |
| - | TMF5911HD (A) | Univ Semi | 25 | 14m | 50m | | 500m | Si | Vgs Pinch Off -5V | TO-99 |
| - | TMF5911HD/R (A) | Univ Semi | 25 | 14m | 50m | | 500m | Si | Vgs Pinch Off -5V | TO-99 |
| - | TMF5912HD (A) | Univ Semi | 25 | 14m | 50m | | 500m | Si | Vgs Pinch Off -5V | TO-99 |
| 5 | TMF5912HD/R (A) | Univ Semi | 25 | 14m | 50m | | 500m | Si | Vgs Pinch Off -5V | TO-99 |
| - | AD810 | MicroPwrSys | 25 | 85 | 20m | 100M | 500m | Si | VBE1-2 3mV max | TO-71 |
| - | AD818 | MicroPwrSys | 25 | 150 | 20m | 100M | 500m | Si | VBE1-2 1mV max | TO-71 |
| - | AD818 | SemiconTech | 25 | 150 | 20m | 100M | 500m | Si | VBE1-2 1mV max | TO-71 |
| - | MP310 | MicroPwrSys | 25 | 150 | 20m | 100M | 500m | Si | VBE1-2 3mV max | TO-71 |
| - | MP318 | MicroPwrSys | 25 | 150 | 20m | 100M | 500m | Si | VBE1-2 1mV max | TO-71 |
| 10 | 2N3410 | See Index | 30 | 20 | 500m | | 600m | Si | hFE(1/2) 0.9;VCBO 60V | TO-99 |
| - | 2N3411 | See Index | 30 | 20 | 500m | | 450m | Si | hFE(1/2) 0.9;VCBO 60V | TO-99 |
| - | MD3410 | See Index | 30 | 20 | 500m | 200M | 625m | Si | VBE(1-2) 1.0mVdc max | TO-78 |
| - | SD3410 | SemiconTech | 30 | 20 | 500m | 200M | 625m | Si | BVCBO 60V;BVEBO 5V | TO-78 |
| 15 | PH1015-100 | M/A-Comm | 30 | 20 | 10 | | 250 | Si | VHF/UHF Push-pull | SOT-161var |
| - | 2N3409 | See Index | 30 | 30 | 500m | | 600m | Si | hFE(1/2) 0.8;VCBO 60V | TO-99 |
| - | MD3409 | See Index | 30 | 30 | 500m | 200M | 625m | Si | VBE(1-2) 2.0mVdc max | TO-78 |
| - | MD7000 | See Index | 30 | 30 | 500m | 200M | 625m | Si | VCBO 50Vdc;VEBO 5.0Vdc | TO-78 |
| - | SD3409 | SemiconTech | 30 | 30 | 500m | 200M | 625m | Si | BVCBO 60V;BVEBO 5V | TO-78 |
| - | SD7000 | SemiconTech | 30 | 30 | 500m | 200M | 625m | Si | BVCBO 50V;BVEBO 5V | TO-78 |
| 20 | MD1120 | See Index | 30 | 30 | 500m | 250M | 600m | Si | VBE(1-2)10mV max | TO-5 |
| - | MD7001 | See Index | 30 | 30 | 600m | 200M | 650m | Si | VCBO 50Vdc;VEBO 5.0Vdc | TO-78 |
| - | MD981 | SemiconTech | 30 | 35 | 200m | 250M | 600m | Si | VCBO 60V;VEBO 5.0V | TO-78 |
| - | MQ2218 | Motorola | 30 | 35 | 500m | 200M | 600m | Si | VCBO 60Vdc;VEBO 5.0Vdc | TO-86 |
| 25 | MD1120F | Motorola | 30 | 40 | 500m | 200M | 400m | Si | VBE(1-2)10mV max | SO |
| - | MD1120F | CrimsonSemi | 30 | 40 | 500m | 200M | 400m | Si | VBE(1-2)10mV max | SO |
| - | MD1121 | See Index | 30 | 40 | 500m | 200M | 625m | Si | VBE(1-2) 10mV max | TO-99 |
| - | MD1121F | Motorola | 30 | 40 | 500m | 200M | 400m | Si | VBE(1-2) 10mV max | SO |
| - | MD1122 | See Index | 30 | 40 | 500m | 200M | 625m | Si | VBE(1-2) 10mV max | TO-99 |
| - | MD1122F | Motorola | 30 | 40 | 500m | 200M | 400m | Si | VBE(1-2) 10mV max | SO |
| 30 | MQ1120 | Motorola | 30 | 40 | 500m | 200M | 600m | Si | VBE(1-2) 10mVdc max | FP |
| - | MQ2219 | Motorola | 30 | 75 | 500m | 200M | 600m | Si | VCBO 60Vdc;VEBO 5.0Vdc | TO-86 |
| - | MQ2219A | Motorola | 30 | 75 | 500m | 200M | 600m | Si | VCBO 60Vdc;VEBO 5.0Vdc | TO-86 |
| - | MD1129 | See Index | 30 | 100 | 500m | 200M | 625m | Si | hFE(1/2) 0.9;VCBO 60V | TO-99 |
| 35 | MD1129F | Motorola | 30 | 100 | 500m | 200M | 400m | Si | hFE(1/2) 0.9;VCBO 60V | SO |
| - | MD1129F | CrimsonSemi | 30 | 100 | 500m | 200M | 400m | Si | hFE(1/2) 0.9;VCBO 60V | SO |
| - | MQ1129 | Motorola | 30 | 100 | 500m | 200M | 600m | Si | VBE(1-2) 5.0mVdc max | FP |
| - | BCV63 (A) | AmperexElec | 30 | 110 | 100m | 200M | 300m | Si | VCEO T1 30V, T2 6.0V | SOT-143 |
| - | BCV63 (A) | PhilipsElec | 30 | 110 | 100m | 200M | 300m | Si | VCEO T1 30V, T2 6.0V | SOT-143 |
| 40 | BCV63A (A) | PhilipsElec | 30 | 110 | 100m | 200M | 300m | Si | VCEO T1 30V, T2 6.0V | SOT-143 |
| - | BCV63B (A) | PhilipsElec | 30 | 200 | 100m | 200M | 300m | Si | VCEO T1 30V, T2 6.0V | SOT-143 |
| - | BCV63C (A) | PhilipsElec | 30 | 420 | 100m | 200M | 300m | Si | VCEO T1 30V, T2 6.0V | SOT-143 |
| - | 2C444 | NthAmerSemi | 35 | 30 | | 200M | 500m | Si | hFE(1/2) 0.7;VCBO 50V | TO-77 |
| - | 2C444 | Semelab | 35 | 30 | | 200M | 500m | Si | hFE(1/2) 0.7;VCBO 50V | TO-77 |
| 45 | AD814 | MicroPwrSys | 35 | 1k | 10m | 10M | 500m | Si | VBE1-2 1mV max | TO-71 |
| - | PH1014-125 | M/A-Comm | 40 | 20 | 10 | | 250 | Si | VHF/UHF Push-pull | SOT-161var |
| - | 2N3513 | See Index | 40 | 35 | 500m | | 750m | Si | VCBO 80V;VEBO 5V max | TO-71 |
| - | MQ2218A | Motorola | 40 | 35 | 500m | 200M | 600m | Si | VCBO 60Vdc;VEBO 5.0Vdc | TO-86 |
| - | MD7002 | See Index | 40 | 40 | 30m | 200M | 625m | Si | BVCBO 50V;BVEBO 5V | TO-78 |
| - | MD7002A | See Index | 40 | 40 | 30m | 200M | 625m | Si | VBE1-VBE2 25mV max. | TO-78 |
| 50 | MD7002B | See Index | 40 | 40 | 30m | 200M | 625m | Si | VBE1-VBE2 25mV max. | TO-78 |
| - | SD7002 | SemiconTech | 40 | 40 | 30m | 200M | 625m | Si | BVCBO 50V;BVEBO 5V | TO-78 |
| - | SD7002A | SemiconTech | 40 | 40 | 30m | 200M | 625m | Si | BVCBO 50V;BVEBO 5V | TO-78 |
| - | SD7002B | SemiconTech | 40 | 40 | 30m | 200M | 625m | Si | BVCBO 50V;BVEBO 5V | TO-78 |
| 55 | 2N3515 | Space Power | 40 | 50 | | | 1.4 | Si | VCBO 80V;VEBO 5V max | SO |
| - | 2N3515 | Hybrid Semi | 40 | 50 | | | 1.4 | Si | VCBO 80V;VEBO 5V max | SO |
| - | MAT02BH | Precsn Mono | 40 | 100 | 20m | 200M | 1.8 | Si | Bias Current 70nA | TO-78 |
| - | MAT02BRC/883 | Precsn Mono | 40 | 100 | 20m | 200M | 1.8 | Si | Bias Current 70nA | LLCC |
| - | MD8001 | See Index | 40 | 100 | 30m | 260M | 625m | Si | VBE(1-2) 15mVdc max | TO-99 |
| 60 | MAT02AH | Precsn Mono | 40 | 150 | 20m | 200M | 1.8 | Si | Bias Current 60nA | TO-78 |
| - | MAT02FH | Precsn Mono | 40 | 150 | 20m | 200M | 1.8 | Si | Bias Current 50nA | TO-78 |
| - | MAT02EH | Precsn Mono | 40 | 200 | 20m | 200M | 1.8 | Si | Bias Current 45nA | TO-78 |
| - | MPT02BH | MicroPwrSys | 40 | 300 | | | | Si | V(os) 150uV,(ios)1.3nA | TO-78 |
| - | MPT02BH-52 | MicroPwrSys | 40 | 300 | | | | Si | V(os) 150uV,(ios)1.3nA | TO-52 |
| 65 | MPT02FH | MicroPwrSys | 40 | 300 | | | | Si | V(os) 150uV,(ios)1.3nA | TO-78 |
| - | MPT02FH-52 | MicroPwrSys | 40 | 300 | | | | Si | V(os) 150uV,(ios)1.3nA | TO-52 |
| - | MPT02AH | MicroPwrSys | 40 | 400 | | | | Si | V(os) 50uV,(ios) .6nA | TO-78 |
| - | MPT02AH-52 | MicroPwrSys | 40 | 400 | | | | Si | V(os) 50uV,(ios) .6nA | TO-52 |
| - | MPT02EH | MicroPwrSys | 40 | 400 | | | | Si | V(os) 50uV,(ios) .6nA | TO-78 |
| 70 | MPT02EH-52 | MicroPwrSys | 40 | 400 | | | | Si | V(os) 50uV,(ios) .6nA | TO-52 |
| - | LM114AH | GE/Intersil | 45 | | 20m | | 800m | Si | VOS 5mV,CMRR 100dB | TO-78 |
| - | LM114H | GE/Intersil | 45 | | 20m | | 800m | Si | VOS 2mV,CMRR 100dB | TO-78 |
| - | BFY91 | NthAmerSemi | 45 | 60 | | 60M | | Si | hFE(1/2) 0.8;VCBO 45V | TO-99 |
| - | BFY92 | NthAmerSemi | 45 | 60 | | 60M | | Si | hFE(1/2) 0.9;VCBO 45V | TO-99 |
| 75 | BFY81 | See Index | 45 | 60 | 50m | 60M | 600m | Si | Low-Noise;VCBO 80V | TO-77 |
| - | MAT01GH | Precsn Mono | 45 | 77 | 25m | 450M | 500m | Si | Bias Current 40nA | TO-78 |
| - | 2N4045 | See Index | 45 | 80 | 10m | | 750m | Si | Matched Dual | TO-78 |
| - | 2N3521 | See Index | 45 | 100 | | | 1.5 | Si | VCBO 60V;VEBO 7V max | TO-5 |
| - | 2N3522 | See Index | 45 | 100 | | | 750m | Si | VCBO 60V;VEBO 7V max | TO-18 |
| 80 | 2N3524 | GE Solid St | 45 | 100 | | | 1.4 | Si | VCBO 60V;VEBO 7V max | SO |
| - | MP311 | MicroPwrSys | 45 | 150 | 20m | 100M | 500m | Si | VBE1-2 1V max | TO-71 |
| - | MAT01AH | Precsn Mono | 45 | 167 | 25m | 450M | 500m | Si | Bias Current 20nA | TO-78 |
| - | AD811 | MicroPwrSys | 45 | 170 | 20m | 100M | 500m | Si | VBE1-2 1.5mV max | TO-71 |
| - | IT120 | GE/Intersil | 45 | 200 | 50m | 220M | 750m | Si | VBE(1-2) 2mV max | TO-78 |
| 85 | IT120A | GE/Intersil | 45 | 200 | 50m | 220M | 750m | Si | VBE(1-2) 1mV max | TO-78 |
| - | MPT01GH | MicroPwrSys | 45 | 250 | | | | Si | V(os) 500uV,(ios)3.2nA | TO-78 |
| - | MPT01GH-52 | MicroPwrSys | 45 | 250 | | | | Si | V(os) 500uV,(ios)3.2nA | TO-52 |
| - | AD812 | MicroPwrSys | 45 | 350 | 20m | 100M | 500m | Si | VBE1-2 1mV max | TO-71 |
| - | MP313 | MicroPwrSys | 45 | 400 | 20m | 100M | 500m | Si | VBE1-2 1mV max | TO-71 |
| 90 | MPT01AH | MicroPwrSys | 45 | 500 | | | | Si | V(os) 100uV,(ios) .6nA | TO-78 |
| - | MPT01AH-52 | MicroPwrSys | 45 | 500 | | | | Si | V(os) 100uV,(ios) .6nA | TO-52 |
| - | 2SC1583 | MitsubiElec | 50.0 | | | | 400m | Si | hFE1/2 0.80 min | SIP |
| - | UPA68H | NECElecSinc | 50 | 5.0 | 30m | | 250m | Si | JFET;VGS(off) 2.5V | SIP |
| - | MD8002 | See Index | 50 | 100 | 30m | 260M | 625m | Si | VBE(1-2) 15mVdc max | TO-99 |
| 95 | 2N2936 | See Index | 55 | 100 | 30m | | 600m | Si | VEBO 5V;VCBO 60V | TO-77 |
| - | 2N2937 | See Index | 55 | 100 | 30m | | 600m | Si | VEBO 5V;VCBO 60V | TO-77 |
| - | 2N3516 | See Index | 60 | 15 | 500m | | 750m | Si | VCBO 100V;VEBO 7V max | TO-71 |