

|           |             |      |  |       |            |                        |     |   |
|-----------|-------------|------|--|-------|------------|------------------------|-----|---|
| BFX 86    | Phi,Tix,++  | Si-N | =BFX 84: 40/35V, hFE=142>70                        | 2a    | TO-39      | BC 141                 | 2a  | BC 140...141, BSX 45...47, 2N3107...3110,++ |
| BFX 87    | Phi,Tix,++  | Si-P | S, 50/50V, 0.6A, 0.53W, >100MHz, <60/150ns         | 2a    | TO-39      |                        |     | BSW 40, 2N2904...2905, 2N3468, ++           |
| BFX 88    | Phi,Tix,++  | Si-P | =BFX 87: 40/40V                                    | 2a    | TO-39      |                        |     | BSW 40, 2N2904...2905, 2N3468, ++           |
| BFX 89    | EUR         | Si-N | UHF A, 30/15V, 25mA, 1.3GHz, F=7/Gp=7dB(800MHz)    | 5g    | TO-72      | 2SC2570A               | 7f  | BFR 37, BFW 30, BFW 92...93, BFX 73         |
| BFX 90    | Mot,Sgs     | Si-P | LF In, 180/180V, 0.05A, 0.4W, 60MHz, F<3dB(1kHz)   | 2a    | TO-18      |                        |     | 2N3930, (BF 421, BF 423, BF 436...437)      |
| BFX 91    | Mot,Sgs     | Si-P | =BFX 90: 0,7W                                      | 2a    | TO-39      |                        |     | 2N3931, (BFQ 36)                            |
| BFX 92    | Mot,Sgs,Tix | Si-N | LF In, 50/45V, 0.03A, 0.3W, 45MHz, hFE>40, F<4dB   | 2a    | TO-18      |                        |     | BC 382, BC 414, BC 550, =2N929, 2N3117      |
| BFX 92 A  |             | Si-N | =BFX 92: 60/60V, 0.05A, 0.36W, >60MHz, F<3dB       | 2a    | TO-18      |                        |     | =2N2483, 2N3117, 2SC2390                    |
| BFX 93    | Mot,Sgs,Tix | Si-N | =BFX 92: hFE=100...300                             | 2a    | TO-18      |                        |     | BC 382, BC 414, BC 550, =2N930, 2N3117      |
| BFX 93 A  |             | Si-N | =BFX 92A: hFE=100...300                            | 2a    | TO-18      |                        |     | =2N2484, 2N3117, 2SC2390                    |
| BFX 94(A) | Mot,Sgs,Tix | Si-N | =2N2221(A)   | 2a    | TO-18      | =2N2221(A)             |     | =2N2221(A)                                  |
| BFX 95(A) | Mot,Sgs,Tix | Si-N | =2N2222(A)   | 2a    | TO-18      | =2N2222(A)             |     | =2N2222(A)                                  |
| BFX 96(A) | Mot,Sgs,Tix | Si-N | =2N2218(A)   | 2a    | TO-39      | =2N2218(A)             |     | =2N2218(A)                                  |
| BFX 97(A) | Mot,Sgs,Tix | Si-N | =2N2219(A)   | 2a    | TO-39      | =2N2219(A)             |     | =2N2219(A)                                  |
| BFX 98    | Sgs,Tix     | Si-N | Vid, 150/150V, 0.1A, 0.8W, 90MHz                   |       | TO-39      |                        |     | BF 257...259, BF 657...659, 2N5058...5059   |
| BFX 99    | Mot,Sgs,Tix | Si-N | Dual, 100/60V, 0.5A, 100MHz, F<8dB(1k), ΔUbe<1.5mV | TO-77 | (CBE-EBC-) |                        |     | 2N2060, 2N2223                              |
| BFX 152   | Aeg         | Si-N | Vid, hi-res, 100/100V, 0.3A, 0.83W, >500MHz        | 7e    | TO-92      |                        |     |   |
| BFX 154   | Aeg         | Si-N | Vid, hi-res, 100/100V, 0.3A, 2W(Tc=110°), >500M    | 14h   | TO-126     | 2SC3599                | 14h | 2SC3599                                     |
| BFX 155   | Aeg         | Si-P | Vid, hi-res, 100/100V, 0.3A, 2W(Tc=110°), >500M    | 14h   | TO-126     | 2SA1405                | 14h | 2SA1405                                     |
| BFX 156   | Aeg         | Si-N | =BFX 154: 5W(Tc=25°)                               | 13h   | TO-202     | (2SC3599) <sup>4</sup> | 14h | (2SC3599) <sup>4</sup>                      |
| BFX 157   | Aeg         | Si-P | =BFX 155: 5W(Tc=25°)                               | 13h   | TO-202     | (2SA1405) <sup>4</sup> | 14h | (2SA1405) <sup>4</sup>                      |

## BFY...BFZ

|               |             |      |  |       |            |        |    |   |
|---------------|-------------|------|--|-------|------------|--------|----|---|
| BFY 10        | Phi         | Si-N | HFS, 45/45V, 0.05A, 0.3W, 120MHz, hFE=25...50  | 2a    | TO-5       |        |    | BC 107, BC 167, BC 182, BC 237, BC 546++    |
| BFY 11        | Phi         | Si-N | =BFY 10: hFE=40...125  | 2a    | TO-5       |        |    | BC 107, BC 167, BC 182, BC 237, BC 546++    |
| BFY 12(B,C,D) | Sie         | Si-N | HFS, 60/40V, 0.5A, >180MHz, <40/720ns  | 2a    | TO-39      |        |    | BSW 39, BSW 51...52, 2N2218...2219, ++      |
| BFY 13(B,C,D) | Sie         | Si-N | =BFY 12: 80/60V, 0.35A   | 2a    | TO-39      |        |    | BSW 39, BSW 53...54, 2N218A...2219A, ++     |
| BFY 14(B,C,D) | Sie         | Si-N | =BFY 12: 100/80V, 0.25A  | 2a    | TO-39      |        |    | BSW 39, 2N1893, 2N3723                      |
| BFY 15        | Itt,Sgs     | Si-N | HFS, 40/20V, 0.5A, 0.6W, 100MHz, 120/-ns   | 2a    | TO-5       |        |    | BC 140...141, BC 300...302, 2N2218...19, ++ |
| BFY 16        | Itt         | Si-N | =BFY 15: 150MHz  | 2a    | TO-5       |        |    | BC 140...141, BC 300...302, 2N2218...19, ++ |
| BFY 17        | Itt         | Si-N | HFS, 40/25V, 0.1/0.2A, 0.6W, 245MHz, F=5dB(100k) 22/900ns  | 2a    | TO-5       |        |    | BC 140...141, BC 300...302, 2N2218...19, ++ |
| BFY 18        | Itt         | Si-N | =BFY 17: 0.3W  | 2a    | TO-18      |        |    | BC 107, BSW 41, BSY 63, 2N2221...22, ++     |
| BFY 19        | Itt         | Si-N | HFS, 30/20V, 0.1A, 0.3W, 400MHz, F<13dB(1kHz)  | 2a    | TO-18      |        |    | BC 108, BSW 41, BSY 63, 2N2221...22, ++     |
| BFY 20        | Itt         | Si-N | Dual, 40/15V, 0.2A, 245MHz, ΔUbe<10mV  | TO-77 | (CBE-EBC-) |        |    | 2N3409...3411                               |
| BFY 21        | Itt         | Si-N | Dual, 40/15V, 0.2A, >200MHz  | TO-77 | (CBE-EBC-) |        |    | 2N3409...3411                               |
| BFY 22        | Itt         | Si-N | Min, LF, 5/5V, 0.05A, 20MHz, hfe=30...90, F=7dB(1k)  | 36c   | (1,8mmØ)   |        |    | BC 121...123, BC 146                        |
| BFY 23(a)     | Itt         | Si-N | =BFY 22: hfe=70...220, BFY23a: hfe=300>200   | 36c   | (1,8mmØ)   |        |    | BC 121...123, BC 146                        |
| BFY 24        | Itt         | Si-N | =BFY 22: hfe=45...130  | 36c   | (1,8mmØ)   |        |    | BC 121...123, BC 146                        |
| BFY 25        | Itt         | Si-N | S, 60/40V, 0.2A, 0.6W, >200MHz, 22/-ns   | 2a    | TO-5       |        |    | BSW 27...28, BSW 51...52, 2N2218...19, ++   |
| BFY 26        | Itt         | Si-N | =BFY 25: 0.36W   | 2a    | TO-18      |        |    | BSV 59, BSX 49, 2N2221...2222, ++           |
| BFY 27        | Aeg         | Si-N | =2N915   | 2a    | TO-18      |        |    | =2N915                                      |
| BFY 28        | Itt         | Si-N | LF,HF, 60/30V, 0.1A, 0.3W, 400MHz, F<13dB(1kHz)  | 2a    | TO-18      |        |    | BC 182, BC 190, BC 546, 2N2221...22, ++     |
| BFY 29        | Itt         | Si-N | Min, LF, 45/30V, 0.05A, 20MHz, hfe=30...90, F=7dB  | 36c   | (1,8mmØ)   |        |    | BC 123                                      |
| BFY 30        | Itt         | Si-N | =BFY 29: hfe=70...220  | 36c   | (1,8mmØ)   |        |    | BC 123                                      |
| BFY 31        | Sie         | Si-N | LFS, 75/30V, 0.5A, >60MHz  | 2a    | TO-39      |        |    | BC 140...141, BC 300...301, 2N2218A...19A++ |
| BFY 33        | Sie,Tsm     | Si-N | LF,HFS, 50/24V, 0.5A, 0.75W, 80MHz, F=5dB(1kHz)  | 2a    | TO-39      |        |    | BC 140...141, BC 300...301, 2N2218...19, ++ |
| BFY 34        | Mot,Sie,++  | Si-N | =BFY 33: 75/30V  | 2a    | TO-39      |        |    | BC 140...141, BC 300...301, 2N2218A...19A++ |
| BFY 37(i)     | Itt         | Si-N | LFS, 25/20V, 0.1A, 0.3W, 270MHz, BFY37i: Iso   | 2a    | TO-18      | BC 546 | 7a | BC 108, BC 168, BC 183, BC 238, BC 548++    |
| BFY 39...(i)  | Itt         | Si-N | LFS, 45/25V, 0.1A, 0.3W, 150MHz, BFY39i: Iso   | 2a    | TO-18      | BC 546 | 7a | BC 107, BC 167, BC 183, BC 237, BC 547++    |
| BFY 40        | Itt,Tix     | Si-N | LFS, 60/30V, 0.8A, 0.8W, 60MHz   | 2a    | TO-39      | BC 141 | 2a | BC 140...141, BC 300...302, 2N2218...19, ++ |
| BFY 41        | Itt,Tix     | Si-N | LFS, 120V, 0.6A, 0.8W, 60MHz   | 2a    | TO-39      | BC 141 | 2a | BC 300, BSX 47, BSY 55...56, 2N1893, ++     |
| BFY 42        |             | Si-N | =BC 107  |       |            |        |    | =BC 107                                     |
| BFY 43        | Itt         | Si-N | Vid, 140/140V, 0.1A, 0.8W, 60MHz   | 2a    | TO-39      | BF 259 | 2a | BF 257...259, BF 657...659, 2N5058...5059   |
| BFY 44        | Phi,Tix     | Si-N | VHF A, Drv Out, 80/60V, 1A, PQ=2,1W(180MHz/40V)  | 2a    | TO-39      |        |    | BFS 23, BFW 47, BLY 34, 2N3553              |
| BFY 45        | Sie,Tix     | Si-N | Nixie Drv, 140/90V, 0.03A, 0.7W, 130MHz  | 2a    | TO-39      |        |    | BF 257...259, BF 657...659, 2N5058...5059   |
| BFY 46        | Mot,Sie,++  | Si-N | =2N1711  | 2a    | TO-39      |        |    | =2N1711                                     |
| BFY 47        | Sie         | Si-N | Min, LF, 5/5V, 0.05A, 0.075W, 50MHz, F<5dB(1kHz)   | 36c   | (1,8mmØ)   |        |    | BC 121...123, BC 146                        |
| BFY 48        | Sie         | Si-N | =BFY 47: 30/20V  | 36c   | (1,8mmØ)   |        |    | BC 122...123                                |
| BFY 49        | Sie         | Si-N | =BFY 47: 45/30V  | 36c   | (1,8mmØ)   |        |    | BC 123                                      |
| BFY 50(E)     | EUR         | Si-N | HFS, 80/35V, 1A, 0.8W, 100MHz, 55/175ns, hFE>30<br>BFY 50E [Tho]: 80/40V, hFE=44                     | 2a    | TO-39      | BC 141 | 2a | BC 140...141, BSW 39, 2N3444                |
| BFY 51        | EUR         | Si-N | =BFY 50: 60/30V, hFE=70>40   | 2a    | TO-39      | BC 141 | 2a | BC 140...141, BSW 27...28, 2N3252...53, ++  |
| BFY 52        | EUR         | Si-N | =BFY 50: 40/20V, hFE=130>60  | 2a    | TO-39      | BC 141 | 2a | BC 140...141, BSW 27...29, 2N3252...53, ++  |
| BFY 53        | Phi         | Si-N | =BFY 50: 40/20V  | 2a    | TO-39      | BC 141 | 2a | BC 140...141, BSW 27...29, 2N3252...53, ++  |
| BFY 55        | Mot,Phi,Tix | Si-N | HFS, 80/35V, 1A, 0.7W, >60MHz, (=2N2297)   | 2a    | TO-39      |        |    | BC 140...141, BSX 45...47, 2N3707...10, ++  |
| BFY 56(A,B)   | Aeg,Tix,++  | Si-N | HFS, 60...80V, 1A, 0.8W, 150/350ns<br>BFY56: 80/45V, A: 80/55V, B: 60/60V                            | 2a    | TO-39      |        |    | BC 140...141, BSW 39, 2N3444                |
| BFY 57        | Sgs,Tix,++  | Si-N | LF,Vid, 125/125V, 0.1A, 0.8W, >40MHz   | 2a    | TO-39      |        |    | BF 257...259, BF 657...659, 2N5058...5059   |
| BFY 63        | Sgs,Tix     | Si-N | VHF A, Drv, 30/15V, 100mA, 750MHz, Gp=6dB(250MHz)  | 2a    | TO-39      |        |    | BFR 36, BFW 16...17                         |
| BFY 64        | Sgs,Tix,++  | Si-P | LFS, 40/40V, 0.6A, 0.7W, 250MHz, 35/70ns   | 2a    | TO-39      |        |    | BSV 82, BSW 23, BSW 40, 2N3467...68, ++     |
| BFY 65        | Aeg,Tix     | Si-N | Nixie Drv, 100/80V, 0.1A, 0.6W, >50MHz   | 2a    | TO-39      |        |    | BF 257...259, BF 657...659, 2N5058...5059   |
| BFY 66        | Aeg,Mot     | Si-N | =2N918   | 5g    | TO-72      |        |    | =2N918                                      |
| BFY 67(A,C)   | Mot,Phi,Tix | Si-N | =2N1613  | 2a    | TO-5       |        |    | =2N1613                                     |
| BFY 68(A)     | Mot,Phi,Tix | Si-N | =2N1711  | 2a    | TO-5       |        |    | =2N1711                                     |
| BFY 69(A,B)   | Aeg         | Si-N | Min, LF, 25/15V, 0.1A, 0.1W, >50MHz<br>BFY69A: In, F<dB(1kHz), B: Fig. 36c(TOM-23)                   | 36c   | (TOM-13)   |        |    | BC 122...123                                |
| BFY 70        | Phi,Tix     | Si-N | VHF Drv,Out, 60/40V, 1A, PQ=1,5W(180MHz)   | 2a    | TO-39      |        |    | BFS 23, BFW 47, BLY 34, 2N3553              |
| BFY 72        | Nsc,Sgs,Tix | Si-N | HFS, 50/28V, 0.5A, 0.8W, 350ns, 14/80ns  | 2a    | TO-39      |        |    | BSS 13, BSS 27...29, 2N3722...3725, ++      |
| BFY 73        | Sgs,Tix     | Si-N | HFS, 60/30V, 0.8A, 0.8W, >250MHz, <60/-ns  | 2a    | TO-39      |        |    | BSS 13, BSS 27...29, 2N3722...3725, ++      |
| BFY 74        | Mot,Sgs,Tix | Si-N | HFS, 60/45V, 0.1A, 0.36W, 360MHz, hFE=40...180   | 2a    | TO-18      |        |    | BC 190, BC 546, 2N2221...22, 2SD767, ++     |
| BFY 75        | Mot,Sgs,Tix | Si-N | =BFY 74: hFE=65...300  | 2a    | TO-18      |        |    | BC 190, BC 546, 2N2221...22, 2SD767, ++     |
| BFY 76        | Sgs,Tix,++  | Si-N | LF In, 45/45V, 0.05A, 0.36W, 100MHz, hFE>30, F<4dB   | 2a    | TO-18      |        |    | BC 184, BC 413...414, BC 550, 2SC2675, ++   |
| BFY 77        | Sgs,Tix     | Si-N | =BFY 76: hFE=80...600, F=1,8dB(1kHz)   | 2a    | TO-18      |        |    | BC 184, BC 413...414, BC 550, 2SC2675, ++   |
| BFY 78        | Mot,Sgs,Tix | Si-N | VHF, 25/12V, 50mA, 0.3W, 900MHz, Gp=18dB(200MHz)   | 2a    | TO-18      |        |    | BFR 37, BFW 30, BFX 59, BFX 73              |
| BFY 79        | Sgs         | Si-N | HFI, agc, 30/30V, >400MHz, F<5.5/Gp=30dB(45MHz)  | 5g    | TO-72      |        |    | BF 167, BF 198, BF 225, BF 310, 2SC2215+    |
| BFY 80        | Aeg,Tix     | Si-N | Nixie Drv, 100/80V, 0.1/0.2A, 0.26W, >50MHz  | 2a    | TO-18      |        |    | BF 297...299, BFR 86...89, BSS 38, BSX 21   |
| BFY 81        | Mot,Sgs,Tix | Si-N | Dual, 45/45V, 0.05A, >60MHz, F<4dB(1k), ΔUbe<10mV  | TO-77 | (CBE-EBC-) |        |    | 2N2639...2644, 2N2913...2920                |
| BFY 82        | Sgs,Tix     | Si-N | Dual, 60/45V, 0.1A, >250MHz, ΔUbe<15mV   | TO-77 | (CBE-EBC-) |        |    | -   |
| BFY 83        | Sgs,Tix     | Si-N | Dual, 100/60V, 0.2A, >50MHz, Ube<15mV  | TO-77 | (CBE-EBC-) |        |    | 2N2060, 2N2223, 2N2652                      |
| BFY 84        | Mot,Sgs,Tix | Si-N | Dual, 30/12V, 0.2A, >600MHz, F<6dB(60MHz), ΔUbe<15mV   | TO-77 | (CBE-EBC-) |        |    | 2N3423...3424                               |
| BFY 85(A,B)   | Aeg,Tix     | Si-N | Dual, 45/45V, 0.1A, >50MHz, F<6dB(1k), ΔUbe<10mV<br>BFY85: hFE=100...360, A: 100...200, B: 180...360 | TO-77 | (CBE-EBC-) |        |    | 2N2639...2644, 2N2913...2920, 2N2453        |