

| Unmarked: SMP: ZP | | ZP, SMP Type Transistors | | | | | | | | | | *:Darlington | | |
|-------------------------|--------------------------------|--------------------------|------------------------|----|----------------|------------------------|-------|-------|---|----------------------------------|----------------|----------------|----------------|----------------|
| V _{CEO} (V) | I _C (A) | 30 | 50 | 60 | 80 | 100 | 200 | 250 | 400 | 450 | 500 | 600 | 800 | 900 |
| 1.5 | | | | | | | | | | | | | C4601 | |
| 2 | | | | | | | | | | J458 | | K2919 | | |
| 3 | | | | | | | | | | K1690 K2403 | C4599 | | | |
| 3.5 | | | | | | | | | | | | | K2435 K2634 | |
| 4 | | | | | | | | | C4597 | J459 | K3242 K3243 | | | |
| 5 | | B1449 D2198 | B1451 D2200 | | B1451 D2200 | | J454 | J522 | C5420 K1691 K3238 K2404 K2434 | C4600 K3238 K2404 K3238 | | | | K3256 K3257 |
| 6 | | | | | | J275 | K2531 | | | | | | | |
| 7 | | B1450 D2199 | B1452 D2201 | | B1452 D2201 | | J455 | C4598 | | | | | K2436 | |
| 8 | | | J266 J413 | | | B1664 D2600 J276 | | | | | | K3246 K3247 | | |
| 9 | | | | | | | J456 | | | | | | | |
| 10 | J257 | | | | | | K2532 | | | K2405 | K3251 K3252 | | | |
| 12 | J258 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | |
| 15 | | | J414 K1871 K1898 | | | J277 K1908 | | | | | | | | |
| 16 | | | | | | | | | | | | | | |
| 18 | K1889 | | J268 K1899 | | | | | | | | | | | |
| 20 | J259 K3285 | | | | | | | | | K2864 | | | | |
| 22 | K1890 | | | | | | | | | | | | | |
| 25 | | | K2433 | | | | | | | | | | | |
| 30 | | | J340 K1900 | | | | | | | | | | | |
| 35 | J400 J466 K1891 K2432 | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | |
| 50 | K2464 | | | | | | | | | | | | | |

| TO-3PB | | Type Transistors | | | | | | | | | | *:Darlington | | |
|-------------------------|-----------------------|------------------|----|----|----|-----------------|-------|-------|-------|-------------------------|-------|--------------|---|----------------|
| V _{CEO} (V) | I _C (A) | 30 | 50 | 60 | 80 | 100 | 250 | 400 | 450 | 500 | 600 | 650 | 800 | 900 |
| 1.5 | | | | | | | | | | | | | C3151 | |
| 3 | | | | | | | | | | | | | C3152 C3458 | |
| 4 | | | | | | | | | | C3088 C3448 | | | C3459 | |
| 5 | | | | | | | | | | | | | C3485 BU508A K3258 | K1461 K3258 |
| 6 | | | | | | | C3083 | | | | | | C3153 C3460 C3486 C3642 C3685 | |
| 7 | B827 D1063 | | | | | | | | | C3089 C3449 C3636 | | | C3686 K2636 | |
| 8 | | | | | | B913* D1230* | | C3040 | K1448 | | K3248 | C3466 | C3461 C3643 C3687 | K1462 |
| 10 | | | | | | | | C3277 | | | | | C3688 | K3260 |
| 12 | B828 D1064 | | | | | | | | | | | | | |
| 15 | B829 D1065 | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | |
| 20 | B904 D1213 | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | |