

Small-signal Transistors

Selection guide

LEADED DEVICES (continued)

NPN LOW-POWER DARLINGTON TRANSISTORS

| TYPE NUMBER | PACKAGE | V _{CES} max. (V) | I _C max. (mA) | P _{tot} max. (mW) | h _{FE} min. | h _{FE} max. | f _T min. (MHz) | t _{off} max. (ns) | PNP COMPL. | PAGE |
|-------------|---------|---------------------------|--------------------------|----------------------------|----------------------|----------------------|---------------------------|----------------------------|------------|------|
| 2N6427 | TO-92 | 30 | 500 | 625 | 10000 | 100000 | 125 | – | – | 188 |
| BC517 | TO-92 | 30 | 500 | 500 | 30000 | >30000 | 220 typ. | – | BC516 | 258 |
| BC617 | TO-92 | 40 | 800 | 500 | 4000 | >4000 | 155 | – | – | 279 |
| BC618 | TO-92 | 55 | 800 | 500 | 2000 | >2000 | 155 | – | – | 279 |
| MPSA13 | TO-92 | 30 | 500 | 500 | 5000 | >5000 | 125 | – | MPSA63 | 816 |
| MPSA14 | TO-92 | 30 | 500 | 500 | 10000 | >10000 | 125 | – | MPSA64 | 816 |
| MPSA25 | TO-92 | 40 | 500 | 500 | 10000 | >10000 | 125 | – | MPSA75 | 819 |
| MPSA26 | TO-92 | 50 | 500 | 500 | 10000 | >10000 | 125 | – | MPSA76 | 819 |
| MPSA27 | TO-92 | 60 | 500 | 500 | 10000 | >10000 | 125 | – | MPSA77 | 819 |

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| TYPE NUMBER | PACKAGE | V _{CES} max. (V) | I _C max. (mA) | P _{tot} max. (mW) | h _{FE} min. | h _{FE} max. | f _T min. (MHz) | NPN COMPL. | PAGE |
|-------------|---------|---------------------------|--------------------------|----------------------------|----------------------|----------------------|---------------------------|------------|------|
| BC516 | TO-92 | 30 | 500 | 500 | 30000 | >30000 | 220 typ. | BC517 | 255 |
| MPSA63 | TO-92 | 30 | 500 | 500 | 5000 | >5000 | 125 | MPSA13 | 830 |
| MPSA64 | TO-92 | 30 | 500 | 500 | 10000 | >10000 | 125 | MPSA14 | 830 |