

SMALL SIGNAL TRANSISTORS

NPN GENERAL PURPOSE TRANSISTORS - TO 39

V _{CEO} V _{CER*} (V)	h _{FE} min/max	@ I _C (mA)	Type	V _{CE(sat)} max (V)	@ I _C (mA)	f _T min (MHz)	t _s t _{off*} (ns)	P _{tot} (mW)	Also available
40 60	40/250 40/250	100 100	BC 140 BC 141	0.35 typ. 0.35 typ.	500 500	50 50	850* 850*	800 800	h _{FE} groups -6, -10, -16
30 30 35 40 40 50* 50* 55 60 60 65 80 80 80	40/— 100/300 30/— 50/250 100/300 40/120 100/300 40/120 40/120 100/300 40/120 40/120 40/120 100/300	150 150 150 150 150 150 150 150 150 150 150 150 150 150	BFY 51 2N 2219 BFY 50 2N 3053 2N 2219A 2N 1613 2N 1711 BFY 56A 2N 3108 2N 3107 2N 2102 2N 1893 2N 3020 2N 3019	0.35 1.6 0.2 1.4 1 1.5 1.5 0.25 1.4 1.4 0.5 5 0.5 0.5	150 500 150 150 500 150 150 150 150 150 150 150 500 500	50 250 60 100 typ. 250 60 70 60 100 typ. 100 typ. 60 50 80 typ. 100 typ.	160 typ. 225 140 typ. — 225 — — 800* — — 30* — — — —	800 800 800 800 800 800 800 800 800 800 1000 800 800 800 800	BFY 52 2N 2218 2N 2218A BFY 56 2N 3110 2N 3109
40 50 60 75	40/240 40/250 40/240 30/130	500 500 500 500	BC 440 2N 5321 BC 441 2N 5320	1 0.8 1 0.5	1000 500 1000 500	50 50 50 50	— 800* — 800*	1000 1000 1000 1000	

PNP GENERAL PURPOSE TRANSISTORS - TO 18

V _{CEO} (V)	h _{FE} min/max	@ I _C (mA)	Type	V _{CE(sat)} max (V)	@ I _C (mA)	f _T min (MHz)	t _s t _{off*} (ns)	P _{tot} (mW)	Also available
30 40 40 40 45	90/— 50/— 100/300 150/300 100/600	10 10 10 10 10	BFX 48 BCY 70 2N 3251 2N 4035 BCY 71	0.3 0.5 0.5 0.3 0.5	50/5 50/5 50/5 50/5 50/5	400 250 300 450 200	160* 350 200 150* —	360 350 360 360 350	2N 3250 BCY 72
40 45 60 60	100/300 100/300 40/120 100/300	150 150 150 150	2N 2907 2N 3504 2N 2906A 2N 2907A	0.4 0.4 0.4 0.4	150/15 150/15 150/15 150/15	200 200 200 200	80 40 80 80	400 400 400 400	2N 3505 2N 2906