

## SMALL SIGNAL TRANSISTORS

### PNP GENERAL PURPOSE TRANSISTORS - TO 39

V <sub>CEO</sub> (V)	h <sub>FE</sub> min/max	@ I <sub>C</sub> (mA)	Type	V <sub>CE(sat)</sub> max (V)	@ I <sub>C</sub> /I <sub>B</sub> (mA)	f <sub>T</sub> min (MHz)	t <sub>s</sub> t <sub>off</sub> * (ns)	P <sub>tot</sub> (mW)	Also available
55	85/—	100	BFX 38	0.5	500/50	100	350	800	BFX 39  2N 4031/2
75	40/—	100	BFX 41	0.5	500/50	100	350	800	
75	85/—	100	BFX 40	0.5	500/50	100	350	800	
80	100/300	100	2N 4033	0.5	500/50	150	350	800	
40	50/250	150	2N 4037	0.3	150/15	100	110	700	2N 2904
40	100/230	150	2N 2905	0.4	150/15	200	80	600	
60	40/120	150	2N 2904A	0.4	150/15	200	80	600	
60	100/300	150	2N 2905A	0.4	150/15	200	80	600	
65	40/140	150	2N 4036	0.65	150/15	60	700*	1000	
40	40/250	500	BC 460	1	1000/100	50	—	1000	2N 5323
60	40/250	500	BC 461	1	1000/100	50	—	1000	
75	30/130	500	2N 5322	0.7	500/50	50	1000*	1000	
60	40/120	100	2N 4030	0.5	500/50	100	350	800	
40	40/250	100	BC 160	0.35 typ.	500/50	50	600*	650	
60	40/250	100	BC 161	0.35 typ.	500/50	50	600*	650	

### NPN TRANSISTORS FOR LOW LEVEL, LOW NOISE APPLICATIONS - TO 18

V <sub>CEO</sub> (V)	h <sub>FE</sub> min/max	@ I <sub>C</sub> (mA)	Type	V <sub>CE(sat)</sub> max (V)	@ I <sub>C</sub> /I <sub>B</sub> (mA)	f <sub>T</sub> min (MHz)	NF (dB)	P <sub>tot</sub> (mW)	Also available
45	100/500	0.01	2N 930	1	10/0.5	30	3	300	2N 2483
60	100/500	0.01	2N 2484	0.35	1/0.1	60	3	360	
60	130/—	0.01	BFR 17	0.35	1/0.1	70	3	360	
60	150/300	1	BFY 76	0.35	1/0.1	100	3	360	
20	110/800 (1)	2	BC 108	0.6	100/5	100	10	300	BCY 58
20	200/800 (1)	2	BC 109	0.6	100/5	100	4	300	
45	110/450 (1)	2	BC 107	0.6	100/5	100	10	300	
45	120/630	2	BCY 59	0.7	100/2.5	100	6	360	

(1) h<sub>FE</sub> @ KHz.