

TABLE 4 : PNP SWITCHING

Type	V _{CEO} V	Max I _C mA	Max V _{CE(sat)}			h _{FE}			Min f _T		Max. Switching Times			Complement
			V	at		Min	Max	I _C mA	MHz	I _C mA	t _{on} ns	t _{off} ns	I _C mA	
				I _C mA	I _B mA									
MPS2907A	60	600	1.6	500	50	100	300	150	200	50	50	110	150	MPS2222A§
BCY77P	60	100	0.25	10	0.25	120	460	2	180*	10	85	150	10	BCY65EP
BCY79P	45	200	0.25	10	0.25	120	460	2	180*	10	85	150	10	BCY59P
2N4403	40	600	0.4	150	15	100	300	150	200	20	35	255	150	2N4401
2N4402	40	600	0.4	150	15	50	150	150	150	20	35	255	150	2N4400
MPS2907	40	600	1.6	500	50	100	300	150	200	15	50	110	150	MPS2222
2N3906	40	200	0.25	10	1	100	300	10	250	10	70	300	10	2N3904§
2N3905	40	200	0.25	10	1	50	150	10	200	10	70	260	10	2N3903
BCY78P	32	200	0.25	10	0.25	120	630	2	180*	10	85	150	10	BCY58P
2N4125	30	200	0.4	50	5	50	150	2	200	10	43*	155*	10	2N4123
2N4126	25	200	0.4	50	5	120	360	2	250	10	43*	155*	10	2N4124
ZTX510	12	200	0.2	30	3	40	150	30	400	30	60	90	30	—

*Typical

§Also available with centre collector lead form option. See centre collector section for details.

TABLE 6 : PNP LOW NOISE

The transistors in this table are characterised for low noise, low level amplification and are ideally suited for audio pre-amplifiers as well as universal applications.

Type	V _{CEO} V	Max I _C mA	Max V _{CE(sat)} at			h _{FE} at			Min f _T at		Max. Noise Figure at			Complement
			V	I _C mA	I _B mA	Min	Max	I _C mA	MHz	I _C mA	N dB	I _C μA	f Hz	
BCY77P	60	100	0.25	10	0.25	120	460	2	180*	10	6	200	1k	BCY65EP
2N5086	50	50	0.3	10	1	150	500	0.1	40	0.5	3	200	30 – 15k	2N5209
2N5087	50	50	0.3	10	1	250	800	0.1	40	0.5	2	200	30 – 15k	2N5210
ZTX531	45	500	0.7	10	0.5	40	120	0.1	30	0.5	3*	100	1k	ZTX331
BCY71P	45	200	0.5	50	5	100	400	10	15	0.1	2	100	30 – 15k	—
BC560P	45	200	0.25	10	0.5	110	800	2	300*	10	2	200	30 – 15k	BC550P
BCY79P	45	200	0.25	10	0.25	120	460	2	180*	10	6	200	1k	BCY59P
BC416P	45	100	0.3	10	0.5	110	800	2	200*	10	2	200	30 – 15k	BC414P
BCY70P	40	200	0.5	50	5	100	—	10	250	10	6	100	30 – 15k	—
2N3906	40	200	0.25	10	1	100	300	10	250	10	4	200	30 – 15k	2N3904
2N3905	40	200	0.25	10	1	50	150	10	200	10	5	200	30 – 15k	2N3903
BCY78P	32	200	0.25	10	0.25	120	630	2	180*	10	6	200	1k	BCY58P
ZTX530	30	500	0.7	10	0.5	100	400	0.1	30	0.5	3*	100	1k	ZTX330
ZTX214	30	200	0.25	10	0.5	140	550	2	200	10	2	200	30 – 15k	ZTX109
BC559P	30	200	0.25	10	0.5	110	800	2	300*	10	4	200	30 – 15k	BC549P
2N4125	30	200	0.4	50	5	50	150	2	200	10	5	200	30 – 15k	2N4123
BC214P	30	200	0.6	100	5	140	600	2	200	10	2	200	30 – 15k	BC184P
BC415P	30	100	0.3	10	0.5	110	800	2	200*	10	2	200	30 – 15k	BC413P
BCY72P	25	200	500	50	5	100	—	10	250	10	6	100	30 – 15k	—
2N4126	25	200	0.4	50	5	120	360	2	250	10	4	200	30 – 15k	2N4124
BC179P	20	50	0.2	10	0.5	180	800	2	130*	10	4	200	30 – 15k	BC109P
BC309P	20	50	0.2	10	0.5	180	800	2	130*	10	4	200	30 – 15k	BC239P

*Typical.