

## TABLE 5 : NPN 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	$V_{CE0}$ 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	$I_C$ $\mu A$	f Hz	
BCY65EP	60	100	0.35	10	0.25	120	460	2	125	10	6	200	1k	BCY77P
2N5209	50	50	0.7	10	1	100	300	0.1	30	0.5	3	200	30-15k	2N5086
2N5210	50	50	0.7	10	1	200	600	0.1	30	0.5	2	200	30-15k	2N5087
ZTX331	45	500	0.7	10	0.5	40	120	0.01	30	0.5	3*	10	1k	ZTX531
BC550P	45	200	0.25	10	0.5	200	800	2	300*	10	3	200	30-15k	BC560P
ZTX382	45	200	0.25	10	0.5	100	850	2	150	10	6	200	30-15k	-
BCY59P	45	200	0.35	10	0.25	120	630	2	125	10	6	200	1k	BCY79P
BC414P	45	100	0.25	10	0.5	200	800	2	250*	10	3	200	30-15k	BC416P
2N3904	40	200	0.2	10	1	100	300	10	300	10	5	200	30-15k	2N3906
2N3903	40	200	0.2	10	1	50	150	10	250	10	6	200	30-15k	2N3905
BCY58P	32	200	0.35	10	0.25	120	630	2	125	10	6	200	1k	BCY78P
ZTX330	30	500	0.7	10	0.5	100	400	0.1	30	0.5	3*	10	1k	ZTX530
BC549P	30	200	0.25	10	0.5	200	800	2	300*	10	4	200	30-15k	BC559P
ZTX239	30	200	0.25	10	0.5	180	800	2	150	10	4	200	30-15k	ZTX214
ZTX383	30	200	0.25	10	0.5	100	850	2	150	10	6	200	30-15k	-
BC184P	30	200	0.25	10	0.5	250	-	2	150	10	4	200	30-15k	BC214P
ZTX384	30	200	0.25	10	0.5	250	-	2	150	10	4	200	30-15k	-
2N4123	30	200	0.3	50	5	50	150	2	250	10	6	200	30-15k	2N4125
BC413P	30	100	0.25	10	0.5	200	800	2	250*	10	3	200	30-15k	BC415P
ZTX109	30	100	0.1*	10	1	240	900	2	350*	10	4	10	1k	ZTX214
2N4124	25	200	0.3	50	5	120	360	2	300	10	5	20	30-15k	2N4126
BC109P	20	50	0.2	10	0.5	180	800	2	300	10	4	200	30-15k	BC179P
BC239P	20	50	0.2	10	0.5	180	800	2	150	10	4	200	30-15k	BC309P

\*Typical.