

Silicon NPN Transistors

Type	Construction	P <sub>C</sub> Max. (mW)	Typical f <sub>T</sub> or *f <sub>1</sub> † fab (MHz)	Absolute Max. Ratings				Typical h <sub>FE</sub> at (mA) (or *h <sub>FE</sub> )	Max I <sub>CBO</sub> at V <sub>CB</sub>		Application	Base Ref.
				V <sub>CE0</sub> (V)	V <sub>CEO</sub> (V)	V <sub>EB0</sub> (V)	I <sub>C</sub> (mA)		μA	V		
2N6179	—	25W	50	—	50	—	1.5A	145 at 500	—	—	General purpose	51
2N6260	H	29W	0.8	—	40	—	3A	60 at 1.5A	—	—		1
40910	H	29W	0.8	—	40	—	3A	60 at 1.5A	1	30	Audio output	1
40363	H	35W	0.8	—	70	—	9A	45 at 4A	—	—		1
2N3583	—	35W	15	—	175	—	2A	40‡ at 100	—	—	Fast switching	1
2N3584	—	35W	15	—	250	—	2A	40‡ at 100	—	—		1
2N3585	—	35W	15	—	300	—	2A	40‡ at 100	—	—	Audio output	1
2N4240	—	35W	15	—	300	—	2A	90 at 750	—	—		1
40313	—	35W	15	—	300	—	2A	145 at 100	—	—	Fast switching	1
40318	—	35W	15	—	300	—	2A	40‡ at 20	—	—		1
40322	—	35W	15	—	300	—	2A	40‡ at 20	—	—	Audio output	1
40328	—	35W	15	—	300	—	2A	40‡ at 20	—	—		1
40374	—	35W	15	—	175	—	2A	40‡ at 100	—	—	Regulators	1
40850	—	35W	15	—	300	—	2A	25‡ at 750	—	—		1
40991	—	35W	15	—	175	—	2A	90 at 300	—	—	Class B pre-driver	1
2N3878	—	35W	60	—	50	—	6A	125 at 500	—	—		1
2N3879	—	35W	60	—	75	—	6A	50 at 4A	—	—	Amplifiers	1
2N5202	—	35W	60	—	75	—	6A	55 at 4A	—	—		1
2N6500	—	35W	60	—	90	—	6A	37 at 3A	—	—	High speed switching	1
40364	—	35W	60	—	60	—	6A	105 at 500	—	—		1
40375	—	35W	60	—	50	—	6A	125 at 500	—	—	Class AB amplifier output	1
2N5293	H	36W	0.8	—	70	—	2A	75 at 500	—	—		1
2N5294	H	36W	0.8	—	70	—	2A	75 at 500	—	—	Audio amplifiers	52
2N5295	H	36W	0.8	—	40	—	2A	75 at 1A	—	—		52
2N5296	H	36W	0.8	—	40	—	2A	75 at 1A	—	—	General purpose	52
2N5297	H	36W	0.8	—	60	—	2A	50 at 1.5A	—	—		52
2N5298	H	36W	0.8	—	60	—	2A	50 at 1.5A	—	—	General purpose	52
40613	H	36W	0.8	—	25	—	2A	75 at 1A	—	—		52
40618	H	36W	0.8	—	30	—	2A	75 at 1A	—	—	Audio output	52
40621	H	36W	0.8	—	32	—	2A	57 at 1.5A	—	—		52
40622	H	36W	0.8	—	40	—	2A	57 at 1.5A	—	—	Audio output	52
40629	H	36W	0.8	—	35	—	2A	45 at 1A	—	—		52
40630	H	36W	0.8	—	40	—	2A	45 at 1.5A	—	—	Audio output	52
40631	H	36W	0.8	—	45	—	2A	45 at 2A	—	—		52
BD239	PE	40W	4	—	45	—	6A	45 at 1A	—	—	Audio amplifiers	52
BD239A	PE	40W	4	—	60	—	6A	45 at 1A	—	—		52
BD239B	PE	40W	4	—	80	—	6A	45 at 1A	—	—	Audio amplifiers	52
BD239C	PE	40W	4	—	100	—	6A	45 at 1A	—	—		52
BD241	PE	40W	4	—	45	—	6A	30 at 3A	—	—	Audio amplifiers	52
BD241A	PE	40W	4	—	60	—	6A	30 at 3A	—	—		52
BD241B	PE	40W	4	—	80	—	6A	30 at 3A	—	—	Audio amplifiers	52
BD241C	PE	40W	4	—	100	—	6A	30 at 3A	—	—		52
BD243	PE	40W	4	—	45	—	6A	45 at 3A	—	—	Audio amplifiers	52
BD243A	PE	40W	4	—	60	—	6A	45 at 3A	—	—		52
BD243B	PE	40W	4	—	80	—	6A	45 at 3A	—	—	Audio amplifiers	52
BD243C	PE	40W	4	—	100	—	6A	45 at 3A	—	—		52
2N6288	PE	40W	4	—	30	—	6A	90 at 3A	—	—	Audio amplifiers	52
2N6289	PE	40W	4	—	30	—	6A	90 at 3A	—	—		52
2N6290	PE	40W	4	—	50	—	6A	90 at 2.5A	—	—	Audio amplifiers	52
2N6291	PE	40W	4	—	50	—	6A	90 at 2.5A	—	—		52
2N6292	PE	40W	4	—	70	—	6A	90 at 2A	—	—	Audio amplifiers	52
2N6372	PE	40W	4	—	80	—	5.5A	60 at 2A	—	—		1
2N6273	PE	40W	4	—	60	—	5.5A	60 at 2.5A	—	—	General purpose	52
2N6374	PE	40W	4	—	40	—	5.5A	60 at 3A	—	—		52
40871	PE	40W	4	—	100	—	6A	150 at 1A	—	—	Audio driver	52
40873	PE	40W	4	—	70	—	6A	90 at 2A	—	—		General purpose
40875	PE	40W	4	—	50	—	6A	70 at 3A	—	—	Audio output	
40979	PE	40W	4	—	40	—	6A	150 at 1.5A	—	—		52
2N6077	—	45W	1	—	250	—	3A	41 at 1.2A	—	—	Fast switching	1
2N6078	—	45W	1	—	275	—	3A	41 at 1.2A	—	—		1
2N6079	—	45W	1	—	350	—	3A	31 at 1.2A	—	—	1	

Continued