

# Low Level and General Purpose Amplifiers

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			HFE				VCE(sat)		fT min (MHz)	Cob max (MHz)	N.F. max (dB)
			Pd (mW)	IC (mA)	VCEO (V)	min	max	IC (mA)	VCE (V)	max (V)	IC (mA)			
2N4061	P	TO-92B	360	100	30	90	330	1	5	0.7	10	-	-	-
2N4062	P	TO-92B	360	100	30	180	660	1	5	0.7	10	-	-	-
2N4248	P	TO-106	200	100	40	50	-	0.1	5	0.25	10	40	6	-
2N4249	P	TO-106	200	100	60	100	300	0.1	5	0.25	10	40	6	3
2N4250	P	TO-106	200	100	40	250	700	0.1	5	0.25	10	50	6	2
2N4286	N	TO-92B	250	100	25	150	600	1	5	0.35	1	40	6	-
2N4287	N	TO-92B	250	100	45	150	600	1	5	0.35	1	40	6	5
2N4288	P	TO-92B	250	100	25	150	600	1	5	0.35	1	40	8	-
2N4289	P	TO-92B	250	100	45	150	600	1	5	0.35	1	40	8	4
2N4290	P	TO-92B	250	600	20	50	300	100	10	0.4	100	100	10	-
2N4291	P	TO-92B	250	600	30	100	300	100	10	0.4	100	100	10	-
2N4359	P	TO-18	360	50	45	50	600	1	5	-	-	20	6	4
2N4384	N	TO-18	300	50	30	100	500	0.01	5	0.2	10	30	8	2
2N4386	N	TO-18	300	50	30	40	500	0.01	5	0.2	10	30	8	3
2N4410	N	TO-92A	625	250	80	60	400	10	1	0.2	1	60	12	-
2N4964	P	TO-106	200	100	40	30	120	0.01	5	0.4	10	60	8	6
2N4965	P	TO-106	200	100	40	80	400	0.01	5	0.4	10	60	8	6
2N4966	N	TO-106	200	100	40	40	200	0.01	5	0.4	10	40	6	6
2N4967	N	TO-106	200	100	40	100	600	0.01	5	0.4	10	40	6	6
2N4968	N	TO-106	200	100	25	40	200	0.01	5	0.4	10	40	6	6
2N5086	P	TO-92A	350	50	50	150	500	0.1	5	0.3	10	40	4	3
2N5087	P	TO-92A	350	50	50	250	800	0.1	5	0.3	10	40	4	2
2N5088	N	TO-92A	350	50	30	300	900	0.1	5	0.5	10	50	4	3
2N5089	N	TO-92A	350	50	25	400	1200	0.1	5	0.5	10	50	4	2
2N5133	N	TO-106	200	50	18	60	1000	1	5	0.4	10	40	5	-
2N5138	P	TO-106	200	50	30	50	800	0.1	10	0.3	10	30	7	-
2N5172	N	TO-92B	200	100	25	100	500	10	10	0.25	10	-	-	-
2N5209	N	TO-92A	350	50	50	100	300	0.1	5	0.7	10	30	4	4
2N5210	N	TO-92A	350	50	50	200	600	0.1	5	0.7	10	30	4	3
2N5219	N	TO-92A	350	100	15	35	500	2	10	0.4	10	150	4	-
2N5223	N	TO-92A	350	100	20	50	800	2	10	0.7	10	150	4	-
2N5227	P	TO-92A	350	50	30	50	700	2	10	0.4	10	100	5	-
2N5249	N	TO-92B	330	100	50	400	800	2	5	0.125	10	200+	4	3
2N5309	N	TO-92B	360	100	50	60	120	0.01	5	0.125	10	-	4	-
2N5310	N	TO-92B	360	100	50	100	300	0.01	5	0.125	10	-	4	-
2N5824	N	TO-92F	360	100	40	60	120	2	5	0.125	10	90	4	-
2N5825	N	TO-92F	360	100	40	100	200	2	5	0.125	10	90	4	-
2N5826	N	TO-92F	360	100	40	150	300	2	5	0.125	10	90	4	-
2N5827	N	TO-92F	360	100	40	250	500	2	5	0.125	10	90	4	-
2N5828	N	TO-92F	360	100	40	400	800	2	5	0.125	10	90	4	-
2SA495	P	TO-92B	200	100	30	70	240 #	10	1	1	10	100	7	-
2SA499	P	TO-18	250	100	20	60	200 #	10	1	0.4	10	100	7	-
2SA500	P	TO-18	250	100	20	60	200 #	10	1	0.4	10	100	7	-
2SA545	P	TO-92B	400	200	60	50	232 #	50	1	0.9	10	150+	-	-
2SA550	P	TO-18	300	50	25	65	700 #	2	5	-	-	120+	5+	-
2SA550A	P	TO-18	300	50	45	65	700 #	2	5	-	-	120+	5+	-
2SA561	P	TO-92B	300	150	50	70	400 #	20	1	0.3	10	70+	13+	-
2SA564	P	TO-92B	250	50	25	65	700 #	2	5	0.4	50	150+	3.2+	2+
2SA564A	P	TO-92B	250	50	45	65	700 #	2	5	0.4	50	150+	3.2+	2+
2SA640	P	TO-92B	250	50	45	100	700	0.5	3	0.3	20	60	10	3

# HFE groupings available □ hfe @ 1KHz + typical value