

# Low Level and General Purpose Amplifiers

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			$H_{FE}$				$V_{CE(SAT)}$		$f_T$ min (MHz)	Cob max (pF)	N.F. max (dB)
			$P_d$ (mW)	$I_C$ (mA)	$V_{CEO}$ (V)	min	max	$I_C$ (mA)	$V_{CE}$ (V)	max (V)	$I_C$ (mA)			
2N3707	N	TO-92B	360	200	30	100	400	0.1	5	1	10	—	—	5
2N3708	N	TO-92B	360	200	30	45	660	1	5	1	10	—	—	—
2N3709	N	TO-92B	360	200	30	45	160	1	5	1	10	—	—	—
2N3710	N	TO-92B	360	200	30	90	330	1	5	1	10	—	—	—
2N3711	N	TO-92B	360	200	30	180	660	1	5	1	10	—	—	—
2N3721	N	TO-92B	200	100	18	60	660	2	10	1	100	100	12	—
2N3798	P	TO-18	360	50	60	150	450	1	5	0.25	1	100	4	3
2N3799	P	TO-18	360	50	60	300	900	1	5	0.25	1	100	4	1.5
2N3843	N	TO-92B	200	100	30	20	40	2	4.5	1	10	60	4	10.2
2N3843A	N	TO-92B	200	100	30	20	40	2	4.5	1	10	60	4	8.5
2N3844	N	TO-92B	200	100	30	35	70	2	4.5	1	10	90	4	10.2
2N3844A	N	TO-92B	200	100	30	35	70	2	4.5	1	10	90	4	8.5
2N3845	N	TO-92B	200	100	30	60	120	2	4.5	1	10	120	4	10.2
2N3845A	N	TO-92B	200	100	30	60	120	2	4.5	1	10	120	4	8.5
2N3858	N	TO-92B	200	100	30	60	120	2	4.5	0.125	10	90	4	—
2N3859	N	TO-92B	200	100	30	100	200	2	4.5	0.125	10	90	4	—
2N3860	N	TO-92B	200	100	30	150	300	2	4.5	0.125	10	90	4	—
2N3900	N	TO-92B	360	100	18	250	500	2	4.5	—	—	160+	12	—
2N3901	N	TO-92B	360	100	18	350	700	2	4.5	—	—	200+	10	—
2N3903	N	TO-92A	350	200	40	50	150	10	1	0.3	50	250	4	6
2N3904	N	TO-92A	350	200	40	100	300	10	1	0.3	50	250	4	5
2N3905	P	TO-92A	350	200	40	50	150	10	1	0.4	50	250	4.5	5
2N3906	P	TO-92A	350	200	40	100	300	10	1	0.4	50	250	4.5	4
2N3946	N	TO-18	360	200	40	50	150	10	1	0.3	50	250	4	5
2N3947	N	TO-18	360	200	40	100	300	10	1	0.3	50	300	4	5
2N3962	P	TO-18	360	200	60	100	300	0.01	5	0.25	10	40	6	3
2N3964	P	TO-18	360	200	45	250	500	0.01	5	0.25	10	50	6	2
2N4058	P	TO-92B	360	100	30	100	400	0.1	5	0.7	10	—	—	5
2N4059	P	TO-92B	360	100	30	45	660	1	5	0.7	10	—	—	—
2N4060	P	TO-92B	360	100	30	45	165	1	5	0.7	10	—	—	—
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	—

# $H_{FE}$  groupings available    ▲ hfe @ 1 KHz    + Typical value