

**GENERAL PURPOSE HIGH SPEED AMPLIFIERS (Cont'd)**

Type	Polarity	Maximum Ratings				Electrical Characteristics @ 25°C								Package
		P <sub>D</sub> Ambient mW	V <sub>CB</sub> Volts	V <sub>CE</sub> Volts	V <sub>EB</sub> Volts	H <sub>FE</sub> @ I <sub>C</sub>		V <sub>CE</sub> (Sat) @ I <sub>C</sub> /I <sub>B</sub>		f <sub>t</sub>	C <sub>ob</sub>	t <sub>ON</sub>	t <sub>OFF</sub>	
						Min/Max	mA	Volts	mA/mA	MHz Min	pF Max	ns Max	ns Max	
2N3502	PNP	700	45	45	5	100/300	150	1.6	500/50	200	8	40	100	TO-5
2N3503	PNP	700	60	60	5	100/300	150	1.6	500/50	200	8	40	100	TO-5
2N3504	PNP	400	45	45	5	100/300	150	1.6	500/50	200	8	40	100	TO-18
2N3505	PNP	400	60	60	5	100/300	150	1.6	500/50	200	8	40	100	TO-18
2N3671	PNP	600	60	50	5	75/225	150	1.6	500/50	200	9	50	110	TO-5
2N3672	PNP	400	60	50	5	75/225	150	1.6	500/50	200	9	50	110	TO-18
2N4036	PNP	1000	90	65	7	40/140	150	0.65	150/15	60	—	110	700	TO-5
2N4037	PNP	1000	60	40	7	50/250	150	1.4	150/15	60	30	—	—	TO-5

**LOW LEVEL AMPLIFIERS**

Type	Polarity	Maximum Ratings				Electrical Characteristics @ 25°C								Package
		P <sub>D</sub> Ambient mW	V <sub>CB</sub> Volts	V <sub>CE</sub> Volts	V <sub>EB</sub> Volts	H <sub>FE</sub> @ I <sub>C</sub>		V <sub>CE</sub> (Sat) @ I <sub>C</sub> /I <sub>B</sub>		f <sub>t</sub>	C <sub>ob</sub>	NF @ f		
						Min/Max	mA	Volts	mA/mA	MHz Min	pF Max	dB Max	kHz	
2N327A	PNP	700	50	40	20	9/22	3.0	0.3	5/2	2	10	—	—	TO-5
2N327B	PNP	700	50	40	20	9/22	3.0	0.3	5/2	2	10	—	—	TO-5
2N328A	PNP	700	50	35	20	18/44	3.0	0.5	5/2	2	10	—	—	TO-5
2N328B	PNP	700	50	35	20	18/44	3.0	0.5	5/2	2	10	—	—	TO-5
2N329A	PNP	700	50	30	20	36/88	3.0	0.6	5/2	2	10	—	—	TO-5
2N329B	PNP	700	50	30	20	36/88	3.0	0.6	5/2	2	10	—	—	TO-5
2N760	NPN	500	45	45	8	76/333	1.0	1.0	10/1.0	50	8	—	—	TO-18
2N760A	NPN	500	60	60	8	76/333	1.0	1.0	10/1.0	50	8	—	—	TO-18
2N929	NPN	300	45	45	5	40/120	0.01	1.0	10/0.5	30	8	4	15.7*	TO-18
2N929A	NPN	500	60	45	6	40/120	0.01	0.5	10/0.5	45	6	4	15.7*	TO-18
2N930	NPN	300	45	45	5	100/300	0.01	1.0	10/0.5	30	8	3	15.7*	TO-18
2N930A	NPN	500	60	45	6	100/300	0.01	0.5	10/0.5	45	6	4	15.7*	TO-18
2N930B	NPN	500	60	45	6	100/300	0.01	0.5	10/0.5	45	6	3	1.0	TO-18
2N1025	PNP	250	40	35	40	—	—	—	—	—	—	25	1	TO-5
2N1026	PNP	250	40	35	40	—	—	—	—	—	—	25	1	TO-5
2N1219	PNP	250	30	25	20	18/—	5	—	—	—	15	25	1	TO-5
2N1220	PNP	250	30	25	20	9/—	5	—	—	—	18	25	1	TO-5
2N2177	PNP	100	6	6	6	70/—	0.5	—	—	—	14	15	1	TO-5
2N2280	PNP	150	10	6	10	10/100	5	0.1	5/0.8	—	10	—	—	TO-18
2N2483	NPN	360	60	60	6	40/120	0.01	0.35	1/0.1	60	6	4	15.7*	TO-18
2N2484	NPN	360	60	60	6	100/300	0.01	0.35	1/0.1	60	6	3	15.7*	TO-18
2N2484A	NPN	360	60	60	6	100/500	0.01	0.35	1/0.1	60	6	2	10.0	TO-18
2N2509	NPN	360	25	80	7	25/—	0.01	1.0	5/0.5	45	6	7	1.0	TO-18
2N2510	NPN	360	00	65	7	150/500	10.00	1.0	5/0.5	45	6	4	1.0	TO-18
2N2511	NPN	360	80	50	7	240/750	10.00	1.0	5/0.5	45	6	4	1.0	TO-18
2N2586	NPN	300	60	45	6	120/360	0.01	0.5	5/0.5	45	7	2	10.0	TO-18
2N2861	PNP	300	25	20	5	30/120	0.01	0.2	10/1	200	6	3	10.0	TO-18
2N2862	PNP	300	25	20	5	12/120	0.01	0.2	10/1	150	6	4	10.0	TO-18
2N3117	NPN	360	60	60	6	250/500	0.01	0.35	1/0.1	60	4.5	1	10.0	TO-18

\* Bandwidth