

## GENERAL PURPOSE MEDIUM SPEED 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(Sat)</sub> @ I <sub>C</sub> /I <sub>B</sub>		f <sub>t</sub> MHz Min	C <sub>ob</sub> pF Max	
						Min/Max	mA	Volts	mA/mA			
2N497	NPN	800	60	60	8	12/36	200	5.0	200/40	40 †	20 †	TO-5
2N498	NPN	800	100	100	8	12/36	200	5.0	200/40	40 †	20 †	TO-5
2N656	NPN	800	60	60	8	30/90	200	5.0	200/40	40 †	20 †	TO-5
2N657	NPN	800	100	100	8	30/90	200	5.0	200/40	40 †	20 †	TO-5
2N696	NPN	600	60	40*	5	20/60	150	1.5	150/15	40	35	TO-5
2N697	NPN	600	60	40*	5	40/120	150	1.5	150/15	50	35	TO-5
2N697A	NPN	800	60	35	5	40/120	150	1.5	150/15	50	35	TO-5
2N698	NPN	600	120	60	7	20/60	150	5.0	150/15	40	15	TO-5
2N699	NPN	800	120	80*	5	40/120	150	5.0	150/15	50	20	TO-5
2N699A	NPN	800	120	80*	5	40/120	150	5.0	150/15	50	20	TO-5
2N699B	NPN	800	120	80	7	40/120	150	5.0	150/15	60	15	TO-5
2N717	NPN	400	60	40*	5	20/60	150	1.5	150/15	40	35	TO-18
2N718	NPN	400	60	40*	5	40/120	150	1.5	150/15	50	35	TO-18
2N718A	NPN	500	75	50*	7	40/120	150	1.5	150/15	60	25	TO-18
2N719	NPN	400	120	80*	5	20/60	150	5.0	150/15	40	20	TO-18
2N720	NPN	400	120	80*	5	40/120	150	5.0	150/15	50	20	TO-18
2N720A	NPN	500	120	80*	7	40/120	150	5.0	150/15	50	15	TO-18
2N721	PNP	400	50	35	5	20/45	150	1.5	150/15	50	45	TO-18
2N722	PNP	400	50	35	5	30/90	150	1.5	150/15	50	45	TO-18
2N730	NPN	500	60	40*	5	20/60	150	1.5	150/15	40	35	TO-18
2N731	NPN	500	60	40*	5	40/120	150	1.5	150/15	50	35	TO-18
2N870	NPN	500	100	60	7	40/120	150	5.0	150/15	50	15	TO-18
2N871	NPN	500	100	60	7	100/300	150	5.0	150/15	60	15	TO-18
2N910	NPN	500	100	60	7	75/-	10	1.2	50/5	60	15	TO-18
2N911	NPN	500	100	60	7	35/-	10	1.2	50/5	50	15	TO-18
2N912	NPN	500	100	60	7	15/-	10	1.2	50/5	40	15	TO-18
2N956	NPN	500	75	50*	7	100/300	150	1.5	150/15	70	25	TO-18
2N1131	PNP	600	50	35	5	20/45	150	1.5	150/15	50	45	TO-5
2N1132	PNP	600	50	35	5	30/90	150	1.5	150/15	50	45	TO-5
2N1420	NPN	600	60	30*	5	100/300	150	1.5	150/15	50	35	TO-5
2N1507	NPN	600	60	30*	5	100/300	150	1.5	150/15	50	35	TO-5
2N1613	NPN	800	75	50*	7	40/120	150	1.5	150/15	60	25	TO-5
2N1613A	NPN	1000	75	50*	7	40/120	150	1.0	150/15	60	25	TO-5
2N1613B	NPN	1000	120	50	7	40/120	150	0.2	150/15	60	10	TO-5
2N1711	NPN	800	75	50*	7	100/300	150	1.5	150/15	70	25	TO-5
2N1711A	NPN	1000	75	50*	7	100/300	150	1.0	150/15	70	25	TO-5
2N1711B	NPN	1000	120	50	7	100/300	150	0.2	150/15	70	10	TO-5
2N1889	NPN	800	100	60	7	40/120	150	5.0	150/15	50	15	TO-5
2N1890	NPN	800	100	60	7	100/300	150	5.0	150/15	60	15	TO-5
2N1893	NPN	800	120	80	7	40/120	150	5.0	150/15	50	15	TO-5
2N1893A	NPN	800	140	80	7	40/120	150	2.0	150/15	100	8	TO-5
2N1973	NPN	800	100	60	7	75/-	10	0.4	10/1	60	15	TO-5
2N1975	NPN	800	100	60	7	15/-	10	0.4	10/1	60	15	TO-5
2N1986	NPN	600	50	25	5	60/240	150	1.5	150/15	40	35	TO-5
2N1988	NPN	600	100	45	5	35/120	30	2.0	30/3	40	20	TO-5
2N1990	NPN	600	100	-	3	20/-	30	0.5	2/0.2	40	20	TO-5
2N2003	NPN	3000	175	110	8	40/120	50	2.5	25/5	40	15	TO-5
2N2102	NPN	1000	120	65	7	40/120	150	0.5	150/15	60	15	TO-5
2N2102A	NPN	1000	120	65	7	40/120	150	0.3	150/15	60	15	TO-5
2N2192	NPN	800	80	40	5	100/300	150	0.35	150/15	50	20	TO-5
2N2192A	NPN	800	60	40	5	100/300	150	0.25	150/15	50	20	TO-5
2N2192B	NPN	800	60	40	5	100/300	150	0.18	150/15	50	20	TO-5
2N2193	NPN	800	80	50	8	40/120	150	0.35	150/15	50	20	TO-5
2N2193A	NPN	800	80	50	8	40/120	150	0.25	150/15	50	20	TO-5
2N2193B	NPN	800	80	50	8	40/120	150	0.18	150/15	50	20	TO-5
2N2194	NPN	800	60	40	5	20/60	150	0.35	150/15	50	20	TO-5
2N2194A	NPN	800	60	40	5	20/60	150	0.25	150/15	50	20	TO-5
2N2194B	NPN	800	60	40	5	20/60	150	0.18	150/15	50	20	TO-5
2N2195	NPN	800	45	25	5	20/-	150	0.35	150/15	50	20	TO-5

\*BV<sub>CER</sub> R ≤ 10 Ω

† Typical Values