GENERAL PURPOSE MEDIUM SPEED AMPLIFIERS

Type	Polarity	Maximum Ratings				Electrical Characteristics @ 25°C						Package
		P_D Ambient mW	V_{CB} Volts	V_{CE} Volts	V_{EB} Volts	H_{FE} @ I_C		V_{CE}(Sat) @ I_C/I_B		f_t MHz Min.	C_{ob} pF Max.	
						Min/Max	mA	Volts	mA/mA			
2N2195A	NPN	800	45	25	5	20/–	150	0.25	150/15	50	20	TO-5
2N2195B	NPN	800	45	25	5	20/–	150	0.18	150/15	50	20	TO-5
2N2243	NPN	800	120	80	7	40/120	150	0.35	150/15	50	15	TO-5
2N2243A	NPN	800	120	80	7	40/120	150	0.25	150/15	50	15	TO-5
2N2270	NPN	1000	60	45	7	50/120	150	0.9	150/15	100	15	TO-5
2N2297	NPN	800	80	35	7	40/120	150	0.2	150/15	60	12	TO-5
2N2303	PNP	600	50	35	5	75/200	150	1.5	150/15	50	45	TO-5
2N2309	NPN	600	30	30	5	25/125	0.2	–	–	40†	25	TO-5
2N2405	NPN	1000	120	90	7	60/200	150	0.5	150/15	40†	15	TO-5
2N2645	NPN	500	75	50	7	100/300	150	0.4	10/1	50	25	TO-18
2N2868	NPN	800	60	40	7	40/120	150	0.25	150/15	50	20	TO-5
2N2895	NPN	500	120	65	7	40/120	150	0.5	500/50	120	15	TO-18
2N2896	NPN	500	140	90	7	60/200	150	0.5	500/50	120	15	TO-18
2N2897	NPN	500	60	45	7	50/200	150	0.5	500/50	100	15	TO-18
2N3019	NPN	800	140	80	7	100/300	150	0.2	150/15	100	12	TO-5
2N3020	NPN	800	140	80	7	40/120	150	0.2	150/15	100	12	TO-5
2N3036	NPN	800	120	80	7	50/150	150	0.25	150/15	50	15	TO-5
2N3053	NPN	500	60	40	5	50/250	150	1.4	150/15	100	15	TO-5
2N3107	NPN	800	100	60	7	100/300	150	0.25	150/15	70	20	TO-5
2N3108	NPN	800	100	60	7	40/120	150	0.25	150/15	60	20	TO-5
2N3109	NPN	800	80	40	7	100/300	150	0.25	150/15	70	25	TO-5
2N3110	NPN	800	100	40	7	40/120	150	0.25	150/15	60	25	TO-5
2N3122	NPN	800	50	30	5	25/100	300	1.5	300/30	60	25	TO-5
2N3388	NPN	600	125	100	6	60/–	2.5	1.0	2.5/.05	36	35	TO-5
2N3700	NPN	500	140	80	7	100/300	150	0.2	150/15	100	12	TO-18
2N3701	NPN	500	140	80	7	40/120	150	0.2	150/15	80	12	TO-18

*BV_{CER} R ⩽ 10 Ω † Typical Values

ULTRA HIGH SPEED LOGIC SWITCHES

Type NPN	Maximum Ratings				Electrical Characteristics @ 25°C							
	P_D Ambient mW	V_{CB} Volts	V_{CE} Volts	V_{EB} Volts	H_{FE} @ I_C		V_{CE}(Sat) @ I_C/I_B		f_t MHz Min	C_{ob} pF Max	t_{ON} ns Max	t_{OFF} ns Max
					Min/Max	mA	Volts	mA/mA				
2N706	300	25	20*	3	20/–	10	0.2	10/1	200	6	40†	75 †
2N706A	300	25	15	5	20/60	10	0.2	10/1	200	5	40	75
2N706B	300	25	15	5	20/60	10	0.2	10/1	200	5	40	75
2N707C	360	40	15	5	20/60	10	0.3	30/3	200	5	40	75
2N708	360	40	15	5	30/120	10	0.3	30/3	300	6	35	65
2N743	300	20	12	5	20/60	10	0.6	100/10	400	5	16	24
2N743A	360	40	15	5	20/60	10	0.6	100/10	500	4	12	15
2N744	300	20	12	5	40/120	10	0.6	100/10	400	5	16	24
2N744A	360	40	15	5	40/120	10	0.6	100/10	500	4	12	15
2N783	300	40	20*	5	20/80	10	0.25	10/10	200	3.5	18	30
2N784	300	30	15*	5	20/–	10	0.16	10/1.0	200	3.5	15	40
2N784A	350	40	20*	5	25/150	10	0.19	10/10	300	3.5	20	40
2N834	300	40	30*	5	25/–	10	0.4	50/5	350	4	35	75
2N834A	360	40	30*	5	25/–	10	0.4	50/5	500	4	35	75
2N835	300	25	20	3	20/–	10	0.3	10/1.0	300	4	20	35
2N2205	300	25	12	3	20/–	10	0.35	50/5	200	6	40	75
2N2368	360	40	15	4.5	20/60	10	0.6	100/10	400	4	12	15
2N2369	360	40	15	4.5	40/120	10	0.6	100/10	500	4	12	18
2N2369A	360	40	15	4.5	40/120	10	0.5	100/10	500	4	12	18
2N2481	360	40	15	5	40/120	10	0.4	100/10	300	5	40	55
2N3010	300	15	6	4	25/125	10	0.38	30/3	600	3	12	12
2N3011	360	30	12	4	30/120	10	0.5	100/10	400	4	15	20
2N3210	360	40	15	5	30/120	10	0.5	100/10	400	4	15	20
2N4137	360	40	10	4.5	40/120	10	0.5	100/10	500	5	12	12

* BVCER R ⩽ 10 Ω † Typical values