

## HIGH SPEED LOGIC SWITCHES (Cont'd)

Type NPN	Maximum Ratings				Electrical Characteristics @ 25°C								Case
	Pd Ambient mW	VCB Volts	VCE Volts	VEB Volts	HFE @ IC		VCE(Sat) @ IC/IB		ft MHz Min	Cob pF Max	tON ns Max	tOFF ns Max	
					Min/Max	mA	Volts	mA/mA					
2N3059	400	10	10	10	100/300	0.01	-	-	-	10	-	-	TO-46
2N5187	300	25	10	5	30/	10	0.25	10/1	400	3.5	18	22	TO-52
2N706B/46	400	25	15	5	20/60	10	0.4	10/1	400	5	40	75	TO-46
2N2894	300	12	12	4	40/150	30	0.15	10/1	400	6	60	90	TO-18
2N3011	300	30	2	5	30/120	10	0.2	10/1	400	4	20	13	TO-18
2N3261	300	40	15	5	40/150	10	0.35	100/10	600	3.5	13	16	TO-52
2N4873	360	40	15	4.5	110/150	10	0.2	10/1	700	4	12	18	TO-18
2N2501	360	40	20	6	50/150	10	0.2	10/1	350	4	-	-	TO-18
2N3508	400	40	20	6	40/120	10	0.25	10/1	500	4	12	18	TO-46
2N3829	360	35	20	5	30/120	30	0.18	30/3	350	6	25	65	TO-18
2N703	300	25	25	5	40/	10	0.5	10/0.5	70	6	-	-	TO-18
2N560	500	60	-	6	20/	100	0.5	10/0.4	42	8	60	50	TO-5
2N2538	800	60	30	5	100/300	150	0.45	150/15	250	8	40	40	TO-5
2N2539	500	60	30	5	50/150	150	0.45	150/15	250	8	40	40	TO-18
2N2540	500	60	30	5	100/300	150	0.45	150/15	250	8	40	40	TO-18
2N2787	600	75	35	5	17/	10	0.4	150/15	250	8	50	50	TO-5

## CORE DRIVERS

2N3303	600	25	12	4	30/120	300	0.7	1A/.1A	500	15	15	25	TO-39
2N3426	600	25	12	4	30/120	300	0.7	1A/.1A	450	25	15	25	TO-39
2N1252	600	30	20*	5	15/45	150	1.5	150/15	50	30	100	150	TO-5
2N1253	600	30	20*	5	30/90	150	1.5	150/15	60	30	100	150	TO-5
2N2476	600	60	20	5	20/	150	0.75	500/50	150	10	25	45	TO-5
2N2477	600	60	20	5	40/	150	0.65	500/50	250	10	25	45	TO-5
2N2848	800	60	20	5	40/140	150	0.75	500/50	250	8	25	40	TO-5
2N2847	360	60	20	5	40/140	150	0.75	500/50	250	8	25	40	TO-18
2N2846	800	60	40	5	30/120	150	1	500/50	250	8	40	40	TO-5
2N5188	800	60	25	5	20/	150	0.5	150/7.5	250	8	35	50	TO-5
2N4046	800	50	30	6	40/150	100	0.42	500/50	250	12	35	60	TO-5
2N4013	360	50	30	6	60/150	100	0.75	1A/.1A	300	12	35	60	TO-18
2N2410	800	60	30	5	25/100	500	0.45	150/15	200	11	65	65	TO-5
2N3252	1000	60	30	5	30/90	500	0.5	500/50	200	12	45	70	TO-5
2N3724A	1000	50	30	6	60/150	100	0.75	1A/.1A	300	12	35	60	TO-5
2N3734	1000	50	30	5	30/120	1A	0.9	1A/.1A	300	9	48	60	TO-5
2N3736	400	50	30	5	30/120	1A	0.9	1A/.1A	300	9	48	60	TO-46
2N5189	1000	60	35	5	35/	500	1	1A/100	250	12	40	70	TO-5
2N3253	1000	75	40	5	25/75	375	0.6	500/50	200	12	45	70	TO-5
2N3244	1000	40	40	5	50/150	500	0.5	500/50	175	25	50	185	TO-5
2N3762	1000	40	40	5	30/120	1A	0.9	1A/.1A	180	15	43	120	TO-5
2N3506	1000	60	40	5	40/200	1.5A	1.5	2.5A/250	60	20	45	90	TO-5
2N4047	800	80	50	6	40/150	100	0.52	500/50	250	10	35	60	TO-5
2N4014	360	80	50	6	60/150	100	0.95	1A/.1A	300	10	35	60	TO-18
2N3725A	1000	80	50	6	60/150	100	0.95	1A/.1A	300	10	35	60	TO-5
2N3444	1000	80	50	5	20/60	500	0.6	500/50	150	12	50	70	TO-5
2N5262	1000	75	50	5	25/	1A	0.8	1A/100	250	12	30	60	TO-5
2N3245	1000	50	50	5	30/90	500	0.6	500/50	150	25	55	165	TO-5
2N3468	1000	50	50	5	25/75	500	0.6	500/50	150	25	40	90	TO-5
2N3507	1000	80	50	5	30/150	1.5A	1.5	2.5A/250	60	20	45	90	TO-5
2N3763	1000	60	60	5	20/80	1A	0.9	1A/.1A	150	15	43	120	TO-5
2N3722	800	80	60	6	40/150	100	0.5	500/50	300	10	50	100	TO-5
2N3723	800	100	80	6	40/150	100	0.75	500/50	300	9	70	130	TO-5

## DIFFERENTIAL AND DUAL AMPLIFIERS

Type NPN	Maximum Ratings					Electrical Characteristics @ 25°C						Tracking $\Delta V_{BE}$ $\Delta T$ -55°C to +125°C In $\mu V/^\circ C$	ft MHz Min	Case
	Ambient Pd		VCB Volts	VCE Volts	VEB Volts	HFE @ IC		VCE(Sat) @ IC/IB		Matching				
	One Side mW	Both Sides mW				Min/Max	mA	Volts	mA/mA	HFE %	VBE In mV			
2N2903	300	600	60	30	7	125/625	1.0	0.5	5/0.5	20	10	20	60	TO-77
2N2903A	300	600	60	30	7	125/625	1.0	0.5	5/0.5	10	5	10	60	TO-77
2N3409	500	600	60	30	5	40/160	1.0	0.15	10/1	20	10	20	200	TO-77
2N3410	500	600	60	30	5	40/160	1.0	0.15	10/1	10	10	20	200	TO-77
2N3411	500	600	60	30	5	40/160	1.0	0.15	10/1	10	5	10	200	TO-77
2N3728	450	550	60	30	5	80/280	150.0	0.22	150/15	20	5	20	250	TO-78