

# Discrete Devices

# Transistors (Cont.) Space Saving Devices

Type	Polarity	Maximum Ratings					Electrical Characteristics @ 25°C					Package
		Ambient P <sub>D</sub>		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>		Frequency f <sub>t</sub> Min MHz	
		One Side mW	Both Sides mW				Min/Max	mA	Volts	mA/mA		
<b>DIP and Flat Pack Quads (Cont'd.)</b>												
SP3763QD	PNP	500	800	60	60	5	20/80	1000	0.9	1000/100	150	TO-116
SP3763QF	PNP	400	500	60	60	5	20/80	1000	0.9	1000/100	150	TO-86
<b>Plastic Quad DIP</b>												
SP3725QDB	NPN	650	900	80	50	6	20/-	500	0.5	500/50	200	TO-116
SP3467ADB	PNP	650	900	40	40	5	20/-	500	0.5	500/50	150	TO-116

## Core Drivers

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	t <sub>ON</sub> ns Max	t <sub>OFF</sub> ns Max	
						Min/Max	mA	Volts	mA/mA					
2N3244	PNP	1000	40	40	5	50/150	500	0.5	500/50	175	25	50	185	TO-39
2N3245	PNP	1000	50	50	5	30/90	500	0.6	500/50	150	25	55	165	TO-39
2N3252	NPN	1000	60	30	5	30/90	500	0.5	500/50	200	12	45	70	TO-39
2N3253	NPN	1000	75	40	5	25/75	375	0.6	500/50	175	12	50	70	TO-39
2N3444	NPN	1000	80	50	5	20/60	500	0.6	500/50	150	12	50	70	TO-39
2N3467	PNP	1000	40	40	5	40/120	500	0.5	500/50	175	25	40	90	TO-39
2N3468	PNP	1000	50	50	5	25/75	500	0.6	500/50	150	25	40	90	TO-39
2N3554	NPN	800	60	30	5	25/100	750	0.7	750/75	150	25	50	105	TO-39
2N3722	NPN	800	80	60	6	40/150	100	0.5	500/50	300	10	50	100	TO-39
2N3724	NPN	1000	50	30	6	60/150	100	0.75	1000/100	300	12	35	60	TO-39
2N3724A	NPN	1000	50	30	6	60/150	100	0.75	1000/100	300	12	35	60	TO-39
2N3725	NPN	1000	80	50	6	60/150	100	0.95	1000/100	300	10	35	60	TO-39
2N3725A	NPN	1000	80	50	6	60/150	100	0.95	1000/100	300	10	35	60	TO-39
2N3734	NPN	1000	50	30	5	30/120	1000	0.9	1000/100	300	9	48	60	TO-39
2N3735	NPN	1000	75	50	5	20/80	1000	0.9	1000/100	250	9	48	60	TO-39
2N3736	NPN	500	50	30	5	30/120	1000	0.5	500/50	300	9	48	60	TO-46
2N3737	NPN	500	75	50	5	20/80	1000	0.5	500/50	250	9	48	60	TO-46
2N3762	PNP	1000	40	40	5	30/100	1000	0.9	1000/100	180	15	45	105	TO-39
2N3763	PNP	1000	60	60	5	20/80	1000	0.9	1000/100	150	15	45	105	TO-39
2N3764	PNP	500	40	40	5	30/120	1000	0.5	500/50	180	15	43	115	TO-46
2N3830	NPN	1000	80	50	5	30/-	500	0.5	200/20	200	12	60	70	TO-39
2N3831	NPN	1000	70	40	5	35/-	500	0.5	500/50	200	12	60	70	TO-39
2N4046	NPN	800	50	30	6	40/150	100	0.42	500/50	250	12	35	60	TO-39
2N4047	NPN	800	80	50	6	40/150	100	0.52	500/50	250	10	35	60	TO-39
2N5022	PNP	1000	50	50	5	25/100	500	0.8	1000/100	170	25	40	90	TO-39
2N5023	PNP	1000	30	30	5	40/100	500	0.7	1000/100	200	25	40	90	TO-39
2N5146	PNP	400	40	40	5	20/-	1000	1.0	1000/100	150	20	40	110	TO-86