

# Transistors (Cont.)

# Discrete Devices

## General Purpose Amplifiers (Cont.)

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	HFE @ 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>	
						Min/Max	mA	Volts	mA/mA	MHz Min	pF Max	
2N2897	NPN	500	60	45	7	50/200	150	0.5	500/50	100	15	TO-18
2N2898	NPN	500	120	65	7	40/120	150	0.5	500/50	120	15	TO-46
2N2899	NPN	500	140	90	7	60/200	150	0.5	500/50	120	15	TO-46
2N2900	NPN	500	60	45	7	50/200	150	0.5	500/50	100	15	TO-46
2N3019	NPN	800	140	80	7	100/300	150	0.2	150/15	100	12	TO-39
2N3020	NPN	800	140	80	7	40/120	150	0.2	150/15	100	12	TO-39
2N3036	NPN	800	120	80	7	50/150	150	0.25	150/15	50	15	TO-39
2N3053	NPN	500	60	40	5	50/250	150	1.4	150/15	100	15	TO-39
2N3056	NPN	400	100	60	7	40/120	150	0.25	150/15	80	12	TO-46
2N3056A	NPN	400	140	80	7	40/120	150	0.2	150/15	80	12	TO-46
2N3057	NPN	400	100	60	7	100/300	150	0.25	150/15	100	12	TO-46
2N3057A	NPN	400	140	80	7	100/300	150	0.2	150/15	100	12	TO-46
2N3107	NPN	800	100	60	7	100/300	150	0.25	150/15	70	20	TO-39
2N3108	NPN	800	100	60	7	40/120	150	0.25	150/15	60	20	TO-39
2N3109	NPN	800	80	40	7	100/300	150	0.25	150/15	70	25	TO-39
2N3110	NPN	800	100	40	7	40/120	150	0.25	150/15	60	25	TO-39
2N3122	NPN	800	50	30	5	25/100	300	1.5	300/30	60	25	TO-39
2N3388	NPN	600	125	100	6	60/-	2.5	1.0	2.5/.05	36	35	TO-39
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
2N4026	PNP	500	60	60	5	40/120	100	0.15	150/15	100	20	TO-18
2N4027	PNP	500	80	80	5	40/120	100	0.15	150/15	100	20	TO-18
2N4028	PNP	500	60	60	5	100/300	100	0.15	150/15	150	20	TO-18
2N4029	PNP	500	80	80	5	100/300	100	0.15	150/15	150	20	TO-18
2N4030	PNP	800	60	60	5	40/120	100	0.15	150/15	100	20	TO-39
2N4031	PNP	800	80	80	5	40/120	100	0.15	150/15	100	20	TO-39
2N4032	PNP	800	60	60	5	100/300	100	0.15	150/15	150	20	TO-39
2N4033	PNP	800	80	80	5	100/300	100	0.15	150/15	150	20	TO-39

## High Voltage 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	HFE @ 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	
2N3634	PNP	1000	140	140	5	50/150	50	0.3	10/1	150	10	400	600	TO-39
2N3635	PNP	1000	140	140	5	100/300	50	0.3	10/1	200	10	400	600	TO-39
2N3636	PNP	1000	175	175	5	50/150	50	0.3	10/1	150	10	400	600	TO-39
2N3637	PNP	1000	175	175	5	100/300	50	0.3	10/1	200	10	400	600	TO-39