

Transistors (Cont.)

Discrete Devices

General Purpose Amplifiers (Cont.)

Type	Polarity	Maximum Ratings				Electrical Characteristics @ 25°C						Package
		P _D Ambient mW	V _{CB} Volts	V _{CE} Volts	V _{EB} Volts	HFE @ I _C		V _{CE} (Sat) @ I _C /I _B		f _t	C _{ob}	
						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 _D Ambient mW	V _{CB} Volts	V _{CE} Volts	V _{EB} Volts	HFE @ I _C		V _{CE} (Sat) @ I _C /I _B		f _t	C _{ob}	t _{ON}	t _{OFF}	
						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

Discrete Devices

Transistors (Cont.)

European "Pro Electron" Types

Type	Near Equivalent	Polarity	Pkg.
BC107	2N2484	NPN	TO-18
BC107A	2N930	NPN	TO-18
BC107B	2N930	NPN	TO-18
BC108	2N2484	NPN	TO-18
BC108A	2N930	NPN	TO-18
BC108B	2N930	NPN	TO-18
BC108C	2N3117	NPN	TO-18
BC109	2N2484	NPN	TO-18
BC109B	2N930	NPN	TO-18
BC109C	2N3117	NPN	TO-18
BC140	2N3019	NPN	TO-39
BC140-6	2N3019	NPN	TO-39
BC140-10	2N3019	NPN	TO-39
BC140-16	2N3019	NPN	TO-39
BC141	2N3019	NPN	TO-39
BC141-6	2N3019	NPN	TO-39
BC141-10	2N3019	NPN	TO-39
BC143	2N2904A	PNP	TO-5
BC160	2N4030	PNP	TO-39
BC160-6	2N4030	PNP	TO-39
BC160-10	2N4032	PNP	TO-39
BC160-16	2N4032	PNP	TO-39
BC161	2N4030	PNP	TO-39
BC161-6	2N4030	PNP	TO-39
BC161-10	2N4032	PNP	TO-39
BC161-16	2N4032	PNP	TO-39
BC169B	2N930	NPN	TO-18
BC169C	2N2484	NPN	TO-18
BC177	2N2604*	PNP	TO-18
BC177A	2N2604*	PNP	TO-18
BC177B	2N2604*	PNP	TO-18
BC177-VI	2N2604*	PNP	TO-18
BC178	2N2604*	PNP	TO-18
BC178A	2N2604*	PNP	TO-18
BC178B	2N2604*	PNP	TO-18
BC179	2N2604*	PNP	TO-18
BC179A	2N2604*	PNP	TO-18
BC179B	2N2604*	PNP	TO-18
BC261A	2N2604*	PNP	TO-18
BC261B	2N2604*	PNP	TO-18
BC262A	2N2604*	PNP	TO-18
BC262B	2N2604*	PNP	TO-18
BC263A	2N2604*	PNP	TO-18
BC263B	2N2604*	PNP	TO-18
BCY17	2N328A	PNP	TO-39

Type	Near Equivalent	Polarity	Pkg.
BCY18	2N329A	PNP	TO-39
BCY19	2N328A	PNP	TO-39
BCY21	2N328A	PNP	TO-39
BCY22	2N328A	PNP	TO-39
BCY23	2N328	PNP	TO-39
BCY24	2N328A	PNP	TO-39
BCY25	2N329A	PNP	TO-39
BCY26	2N328A	PNP	TO-39
BCY27	2N329A	PNP	TO-39
BCY28	2N329A	PNP	TO-39
BCY29	2N328A	PNP	TO-39
BCY30	2N328A	PNP	TO-39
BCY31	2N329A	PNP	TO-39
BCY32	2N329A	PNP	TO-39
BCY33	2N328A	PNP	TO-39
BCY34	2N329A	PNP	TO-39
BCY56	2N930	NPN	TO-18
BCY57	2N2484	NPN	TO-18
BCY58	2N930	NPN	TO-18
BCY58-7	2N929	NPN	TO-18
BCY58-8	2N930	NPN	TO-18
BCY58-9	2N2484	NPN	TO-18
BCY59	2N930	NPN	TO-18
BCY59-7	2N929	NPN	TO-18
BCY59-8	2N930	NPN	TO-18
BCY59-9	2N930	NPN	TO-18
BCY59-10	2N2484	NPN	TO-18
BCY70	2N2604*	PNP	TO-18
BCY71	2N2604*	PNP	TO-18
BCY71A	2N2604*	PNP	TO-18
BCY72	2N2604*	PNP	TO-18
BCY90	2N3913	PNP	TO-18
BCY90B	2N328A	PNP	TO-5
BCY91	2N3913	PNP	TO-18
BCY91B	2N329	PNP	TO-5
BCY92	2N3913	PNP	TO-18
BCY92B	2N329A	PNP	TO-5
BCY93	2N935	PNP	TO-18
BCY93B	2N327A	PNP	TO-5
BCY94	2N939	PNP	TO-18
BCY94B	2N328A	PNP	TO-5
BCY95	2N3913	PNP	TO-18
BCY95B	2N329A	PNP	TO-5
BFX13	2N3905*	PNP	TO-18
BFX29	2N2904A	PNP	TO-39

* Electrical Equivalent Only