

Medium Power Amplifiers and Switches

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			H_{FE}				$V_{CE(SAT)}$		f_T min (MHz)	Cob max (pF)	COMPLEMENTARY TYPE
			P_d (mW)	I_C (A)	V_{CEO} (V)	min	max	I_C (mA)	V_{CE} (V)	max (V)	I_C (A)			
2N2017	N	TO-39	1000	1	60	50	200	200	10	2	0.2	—	—	—
2N2049	N	TO-39	800	0.5	50	100	300	150	10	0.4	0.01	50	25	—
2N2102	N	TO-39	1000	1	65	40	120	150	10	0.5	0.15	60	10	2N4036
2N2102A	N	TO-39	1000	1	65	40	120	150	10	0.5	0.15	60	10	—
2N2192	N	TO-39	800	1	40	100	300	150	10	0.35	0.15	50	20	—
2N2192A	N	TO-39	800	1	40	100	300	150	10	0.25	0.15	50	20	—
2N2192B	N	TO-39	800	1	40	100	300	150	10	0.18	0.15	50	20	—
2N2193	N	TO-39	800	1	50	40	120	150	10	0.35	0.15	50	20	—
2N2193A	N	TO-39	800	1	50	40	120	150	10	0.25	0.15	50	20	—
2N2193B	N	TO-39	800	1	50	40	120	150	10	0.18	0.15	50	20	—
2N2195	N	TO-39	800	1	25	20	—	150	10	0.35	0.15	50	20	—
2N2195A	N	TO-39	800	1	25	20	—	150	10	0.25	0.15	50	20	—
2N2195B	N	TO-39	800	1	25	20	—	150	10	0.28	0.15	50	20	—
2N2218	N	TO-39	800	0.8	30	40	120	150	10	0.4	0.15	250	8	—
2N2218A	N	TO-39	800	0.8	40	40	120	150	10	1.0	0.5	250	8	—
2N2219	N	TO-39	800	0.8	30	100	300	150	10	0.4	0.15	250	8	—
2N2219A	N	TO-39	800	0.8	40	100	300	150	10	1.0	0.5	250	8	—
2N2221	N	TO-18	500	0.8	30	40	120	150	10	0.4	0.15	250	8	—
2N2221A	N	TO-18	500	0.8	40	40	120	150	10	1.0	0.5	250	8	—
2N2222	N	TO-18	500	0.8	30	100	300	150	10	0.4	0.15	250	8	—
2N2222A	N	TO-18	500	0.8	40	100	300	150	10	1.0	0.5	250	8	—
2N2237	N	TO-39	600	0.5	20	40	125	100	1	0.25	0.1	100	35	—
2N2243	N	TO-39	800	1	80	40	120	150	10	0.25	0.15	50	15	—
2N2243A	N	TO-39	800	1	80	40	120	150	10	0.25	0.15	50	15	—
2N2270	N	TO-39	1000	1	45	50	200	150	10	0.9	0.15	100	15	—
2N2297	N	TO-39	800	1	35	40	120	150	10	0.2	0.15	60	12	—
2N2303	P	TO-39	600	0.5	35	75	200	150	10	1.5	0.15	60	45	—
2N2309	N	TO-39	600	0.5	30	25	125	0.2	4	—	—	40	25	—
2N2380	N	TO-39	600	0.5	40	20	120	150	5	1.3	0.15	100	14	—
2N2380A	N	TO-39	600	0.5	40	20	120	150	5	1.3	0.15	100	14	—
2N2405	N	TO-39	1000	1	90	60	200	150	10	0.5	0.15	50	15	—
2N2479	N	TO-39	600	0.5	40	30	120	150	1.5	0.85	0.15	150	14	—
2N2800	P	TO-39	800	0.8	35	30	90	150	10	0.4	0.15	120	25	—
2N2801	P	TO-39	800	0.8	35	75	225	150	10	0.4	0.15	120	25	—
2N2837	P	TO-18	500	0.8	35	30	90	150	10	0.4	0.15	120	25	—
2N2838	P	TO-18	500	0.8	35	75	225	150	10	0.4	0.15	120	25	—
2N2868	N	TO-39	800	1	40	40	120	150	10	0.25	0.15	50	20	—
2N2897	N	TO-18	500	1	45	50	200	150	10	1	0.15	100	15	—
2N2904	P	TO-39	600	0.6	40	40	120	150	10	0.4	0.15	200	8	—
2N2905	P	TO-39	600	0.6	40	100	300	150	10	1.6	0.5	200	8	—
2N2905A	P	TO-39	600	0.6	60	100	300	150	10	1.6	0.5	200	8	—
2N2906	P	TO-18	400	0.6	40	40	120	150	10	0.4	0.15	200	8	—
2N2906A	P	TO-18	400	0.6	60	40	120	150	10	1.6	0.5	200	8	—
2N2907	P	TO-18	400	0.6	40	100	300	150	10	1.6	0.5	200	8	—
2N2907A	P	TO-18	400	0.6	60	100	300	150	10	1.6	0.5	200	8	—
2N2927	P	TO-39	800	0.5	25	30	130	50	1	0.25	0.05	100	20	—
2N2958	N	TO-39	600	0.6	20	40	120	150	10	0.5	0.15	250	8	—
2N2959	N	TO-39	600	0.6	20	100	300	150	10	0.5	0.15	250	8	—
2N3019	N	TO-39	800	1	80	100	300	150	10	0.5	0.5	100	12	2N4033
2N3020	N	TO-39	800	1	80	40	120	150	10	0.5	0.5	80	12	2N4031
2N3036	N	TO-39	800	1	80	50	150	150	10	0.25	0.15	15	15	—
2N3053	N	TO-39	1000	0.7	40	50	250	150	10	1.4	0.15	100	15	2N4037
2N3053A	N	TO-39	1000	0.7	60	50	250	150	10	0.3	0.15	100	15	—
2N3072	P	TO-39	800	0.5	60	30	130	50	1	1	0.3	130	10	—

H_{FE} groupings available ▲ $T_c = 25^\circ C$ + Typical value • V_{CER}