

Medium Power Amplifiers and Switches

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			H _{FE}				V _{CE(sat)} max (V)	I _c (A)	f _T min (MHz)	C _{ss} max (MHz)	COMPLEMENTARY TYPE
			P _d (mW)	I _c (A)	V _{CEO} (V)	min	max	I _c (mA)	V _{ce} (V)					
2N1566	N	TO-39	600	0.1	60	80	200	5	5	1	0.01	60	10	-
2N1613	N	TO-39	800	0.5	50*	40	120	150	10	1.5	0.15	60	25	-
2N1613A	N	TO-39	1000	0.5	50*	40	120	150	10	1	0.15	60	25	-
2N1613B	N	TO-39	1000	0.5	55*	40	120	150	10	0.2	0.15	60	10	-
2N1711	N	TO-39	800	1	50*	100	300	150	10	1.5	0.15	70	25	-
2N1711A	N	TO-39	1000	1	50*	100	300	150	10	1	0.15	70	25	-
2N1711B	N	TO-39	1000	1	55*	100	300	150	10	0.2	0.15	70	10	-
2N1889	N	TO-39	800	1	60	40	120	150	10	5	0.15	60	15	-
2N1890	N	TO-39	800	1	60	100	300	150	10	5	0.15	60	15	-
2N1893	N	TO-39	800	0.5	80	40	120	150	10	5	0.15	50	15	-
2N1973	N	TO-39	800	1	80*	75	-	10	10	1.2	0.05	60	15	-
2N1974	N	TO-39	800	1	80*	35	-	10	10	1.2	0.05	50	15	-
2N1975	N	TO-39	800	1	80	15	-	10	10	1.2	0.05	40	15	-
2N1983	N	TO-39	600	1	25	80	240	5	5	0.25	0.055	40	45	-
2N1984	N	TO-39	600	1	25	40	120	5	5	0.25	0.005	40	45	-
2N1985	N	TO-39	600	1	25	20	80	5	5	-	-	40	45	-
2N1986	N	TO-39	600	0.3	25	60	240	150	10	1.5	0.15	40	35	-
2N1987	N	TO-39	600	0.3	25	20	80	150	10	1.5	0.15	40	35	-
2N1988	N	TO-39	600	1	45	35	120	30	10	2	0.03	40	20	-
2N1989	N	TO-39	600	1	45	20	60	30	10	2	0.03	40	20	-
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	-

HFE grouping available + typical value □ Tc=25°C * VCER