

# Medium Power Amplifiers and Switches

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			H <sub>FE</sub>				V <sub>CE(sat)</sub>		f <sub>T</sub>	C <sub>ob</sub>	COMPLEMENTARY TYPE
			P <sub>d</sub> (mW)	I <sub>C</sub> (A)	V <sub>CEO</sub> V <sub>CER</sub> *	min max		I <sub>C</sub> (mA)	V <sub>CE</sub> (V)	max (V)	I <sub>C</sub> (A)	min (MHz)	max (MHz)	
PN3642	N	TO-92A	600	0.5	45	40	120	150	10	0.22	0.15	250	8	-
PN3643	N	TO-92A	600	0.5	30	100	300	150	10	0.22	0.15	250	8	-
PN3644	P	TO-92A	600	0.5	45	100	300	150	10	0.4	0.15	200	8	-
PN3645	P	TO-92A	600	0.5	60	100	300	150	10	0.4	0.15	200	8	-
PN4355	P	TO-92A	600	0.5	60	100	400	10	10	1	1	100	30	-
PN4356	P	TO-92A	600	0.5	80	50	250	10	10	0.5	0.5	100	30	-
2N697	N	TO-39	600	0.5	40*	40	120	150	10	1.5	0.15	50	35	-
2N699	N	TO-39	600	1	80*	40	120	150	10	5	0.15	50	20	-
2N699A	N	TO-39	800	1	80*	40	120	150	10	5	0.15	50	20	-
2N699B	N	TO-39	800	1	80*	40	120	150	10	5	0.15	60	15	-
2N718	N	TO-18	400	0.5	40*	40	120	150	10	1.5	0.15	50	25	-
2N718A	N	TO-18	500	0.5	50*	40	120	150	10	1.5	0.15	60	25	-
2N720A	N	TO-18	500	1	80	40	120	150	10	5	0.15	50	15	-
2N911	N	TO-18	500	0.5	60	35	-	10	10	1.2	0.05	50	15	-
2N956	N	TO-18	500	0.5	50*	100	300	150	10	1.5	0.15	70	25	-
2N1420	N	TO-39	600	1	30*	100	300	150	10	1.5	0.15	50	35	-
2N1507	N	TO-39	600	1	30*	100	300	150	10	1.5	0.15	50	35	-
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	-
2N1986	N	TO-39	600	0.3	25	60	240	150	10	1.5	0.15	40	35	-
2N1988	N	TO-39	600	1	45	35	120	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	-