

# Medium Power Amplifiers and Switches

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			HFE				VCE(sat)		fT min (MHz)	Cob max (pF)	COMPLEMENTARY TYPE
			Pd (mW)	IC (A)	VCEO (V)	min	max	IC (mA)	VCE (V)	max (V)	(A)			
2N3414	N	TO-92B	360	0.5	25	75	225	2	4.5	0.3	0.05	-	-	-
2N3415	N	TO-92B	360	0.5	25	180	540	2	4.5	0.3	0.05	-	-	-
2N3416	N	TO-92B	360	0.5	50	75	225	2	4.5	0.3	0.05	-	-	-
2N3417	N	TO-92B	360	0.5	50	180	540	2	4.5	0.3	0.05	-	-	-
2N3502	P	TO-39	800	0.6	45	100	300	150	10	1	0.3	200	8	-
2N3503	P	TO-39	800	0.6	60	100	300	150	10	1	0.3	200	8	-
2N3504	P	TO-18	400	0.6	45	100	300	150	10	1	0.3	200	8	-
2N3505	P	TO-18	400	0.6	60	100	300	150	10	1	0.3	200	8	-
2N3678	N	TO-39	800	0.8	55	40	120	150	10	1	0.5	250	8	-
2N3700	N	TO-18	500	1	80	100	300	150	10	0.5	0.5	100	12	-
2N3701	N	TO-18	500	1	80	40	120	150	10	0.5	0.5	80	12	-
2N3702	P	TO-92B	360	0.2	25	60	300	50	5	0.25	0.05	100	12	2N3704
2N3703	P	TO-92B	360	0.2	30	30	150	50	5	0.25	0.05	100	12	2N3706
2N3704	N	TO-92B	360	0.2	30	100	300	50	2	0.6	0.1	100	12	2N3702
2N3705	N	TO-92B	360	0.2	30	50	150	50	2	0.8	0.1	100	12	2N3702
2N3706	N	TO-92B	360	0.2	20	30	600	50	2	1	0.1	100	12	2N3703
2N3793	N	TO-92B	250	0.5	20	20	120	10	10	0.4	0.1	100	10	-
2N3794	N	TO-92B	250	0.5	20	100	600	10	10	0.4	0.1	100	10	-
2N3945	N	TO-39	5000□	1	50	40	250	150	10	0.5	0.15	60	12	-
2N4029	P	TO-18	500	1	80	100	300	100	5	0.5	0.5	150+	20	-
2N4030	P	TO-39	800	1	60	40	120	100	5	0.5	0.5	100	20	2N3108
2N4031	P	TO-39	800	1	80	40	120	100	5	0.5	0.5	100	20	2N3020
2N4032	P	TO-39	800	1	60	100	300	100	5	0.5	0.5	150	20	2N3107
2N4033	P	TO-39	800	1	80	100	300	100	5	0.5	0.5	150	20	2N3109
2N4036	P	TO-39	1000	1	65	40	140	150	10	0.65	0.15	60	30	2N2102
2N4037	P	TO-39	1000	1	40	50	250	150	10	1.4	0.15	60	30	2N3053
2N4140	N	TO-106	300	0.2	30	40	120	150	10	0.4	0.15	250	8	-
2N4141	N	TO-106	300	0.2	30	100	300	150	10	0.4	0.15	250	8	-
2N4242	P	TO-106	300	0.2	40	40	120	150	10	0.4	0.15	200	8	-
2N4143	P	TO-106	300	0.2	40	100	300	150	10	0.4	0.15	200	8	-
2N4227	N	TO-106	300	0.2	30	75	150	150	10	0.4	0.15	250	8	-
2N4228	P	TO-106	300	0.2	40	75	150	150	10	0.4	0.15	200	8	-
2N4234	P	TO-39	1000	3	40	30	150	250	1	0.6	1	3	100	2N4237
2N4235	P	TO-39	1000	3	60	30	150	250	1	0.6	1	3	100	2N4238
2N4236	P	TO-39	1000	1	80	30	150	250	1	0.6	1	3	100	2N4239
2N4237	N	TO-39	1000	1	40	30	150	250	1	0.6	1	2	100	2N4234
2N4238	N	TO-39	1000	1	60	30	150	250	1	0.6	1	2	100	2N4235
2N4239	N	TO-39	1000	1	80	30	150	250	1	0.3	0.5	2	100	2N4236
2N4314	P	TO-39	1000	1	65	50	250	150	10	14	0.15	60	30	-
2N4400	N	TO-92A	500	0.6	40	50	150	150	1	0.75	0.5	200	6.5	2N4402
2N4401	N	TO-92A	500	0.6	40	100	300	150	1	0.75	0.5	250	6.5	2N4403
2N4402	P	TO-92A	500	0.6	40	50	150	150	1	0.75	0.5	150	8.5	2N4400
2N4403	P	TO-92A	500	0.6	40	100	300	150	1	0.75	0.5	200	8.5	2N4401
2N4409	N	TO-92A	625	0.25	50	60	400	10	1	0.2	0.001	60	12	-
2N4424	N	TO-92B	625	0.5	40	180	540	2	4.5	0.3	0.05	-	-	-
2N4944	N	TO-106	600	0.5	40	40	120	150	1	0.25	0.15	60	25	-
2N4945	N	TO-106	600	0.5	60	40	120	150	1	0.25	0.15	60	20	-
2N4946	N	TO-106	600	0.5	40	100	300	150	1	0.25	0.15	60	25	-
2N4951	N	TO-92B	360	0.5	30	60	200	150	10	0.3	0.15	250	8	-
2N4952	N	TO-92B	360	0.5	30	100	300	150	10	0.3	0.15	250	8	-

+ typical value □ Tc=25°C