

Medium Power Amplifiers and Switches

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			HFE		VCE		VCE(sat)		fT (MHz)	Cob max (pF)	COMPLEMENTARY TYPE
			Pd (mW)	IC (A)	VCEO (V)	min	max	IC (mA)	VCE (V)	max (V)	(A)			
MPSA05	N	TO-92A	625	0.5	60	50	-	100	1	0.25	0.1	50	20	MPSA55
MPSA06	N	TO-92A	625	0.5	80	50	-	100	1	0.25	0.1	50	20	MPSA56
MPSA55	P	TO-92A	625	0.5	60	50	-	100	1	0.25	0.1	100	20	MPSA05
MPSA56	P	TO-92A	625	0.5	80	50	-	100	1	0.25	0.1	100	20	MPSA06
MPSD05	N	TO-92A	350	0.5	25	50	-	50	5	0.5	0.1	100	-	MPSD55
MPSD55	P	TO-92A	350	0.5	25	50	-	50	5	0.5	0.1	100	-	MPSD05
MSB492	P	TO-92A	625	2	25	80	360 #	200	1	0.5	1	100+	28+	-
PN2221	N	TO-92A	500	0.8	30	40	120	150	10	1.6	0.5	250	8	PN2906
PN2221A	N	TO-92A	500	0.8	40	40	120	150	10	1	0.5	250	8	PN2906A
PN2222	N	TO-92A	500	0.8	30	100	300	150	10	1.6	0.5	250	8	PN2907
PN2222A	N	TO-92A	500	0.8	40	100	300	150	10	1	0.5	300	8	PN2907A
PN2906	P	TO-92A	400	0.6	40	40	120	150	10	1.6	0.5	200	8	PN2221
PN2906A	P	TO-92A	400	0.6	60	40	120	150	10	1.6	0.5	200	8	PN2221A
PN2907	P	TO-92A	400	0.6	40	100	300	150	10	1.6	0.5	200	8	PN2222
PN2907A	P	TO-92A	400	0.6	60	100	300	150	10	1.6	0.5	200	8	PN2222A
PN3567	N	TO-92A	625	1	40	40	120	150	1	0.25	0.15	60	20	MPS4345
PN3568	N	TO-92A	625	1	60	40	120	150	1	0.25	0.15	60	20	MPS4356
PN3569	N	TO-92A	625	1	40	100	300	150	1	0.25	0.15	60	20	MPS4355
PN3638	P	TO-92A	625	0.5	25	30	-	50	1	1	0.3	100	20	-
PN3638A	P	TO-92A	625	0.5	25	100	-	50	1	1	0.3	100	10	-
PN3641	N	TO-92A	600	0.5	30	40	120	150	10	0.22	0.15	250	8	-
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	-
TN1613	N	TO-237A	2000□	0.5	50*	40	120	150	10	1.5	0.15	60	25	-
TN1711	N	TO-237A	2000□	1	50*	100	300	150	10	1.5	0.15	70	25	-
TN2102	N	TO-237A	2000□	1	65	40	120	150	10	0.5	0.15	60	10	TN4036
TN2219	N	TO-237A	2000□	0.8	30	100	300	150	10	0.4	0.15	250	8	-
TN2219A	N	TO-237A	2000□	0.8	40	100	300	150	10	1	0.5	250	8	-
TN2905	P	TO-237A	2000□	0.6	40	100	300	150	10	1.6	1.5	200	8	-
TN2905A	P	TO-237A	2000□	0.6	60	100	300	150	10	1.6	0.5	200	8	-
TN3019	N	TO-237A	2000□	1	80	100	300	150	10	0.5	0.5	100	12	TN4033
TN3020	N	TO-237A	2000□	1	80	40	120	150	10	0.5	0.5	80	12	TN4031
TN3053	N	TO-237A	2000□	0.7	40	50	250	150	10	1.4	0.15	100	15	TN4037
TN4030	P	TO-237A	2000□	1	60	40	120	100	5	1	1	100	20	-
TN4031	P	TO-237A	2000□	1	80	40	120	100	5	1	1	100	20	TN3020
TN4032	P	TO-237A	2000□	1	60	100	300	100	5	1	1	150	20	-
TN4033	P	TO-237A	2000□	1	80	100	300	100	5	1	1	150	20	TN3019
TN4036	P	TO-237A	2000□	1	65	40	120	150	10	0.65	0.15	60	30	TN2102
TN4037	P	TO-237A	2000□	1	40	50	250	150	10	1.4	0.15	60	30	TN3053
2N656	N	TO-39	800	0.6	60	30	90	200	10	4	0.2	40	20	-
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	-

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