

# Low Level and General Purpose Amplifiers

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			HFE				VCE(sat)		fT min (MHz)	Cob max (MHz)	N.F. max (dB)
			Pd (mW)	IC (mA)	VCEO (V)	min	max	IC (mA)	VCE (V)	max (V)	IC (mA)			
MPS9600	N	TO-92A	300	100	12	25	300 #	1	5	0.5	10	50	4	-
MPS9601	N	TO-92A	300	100	18	25	300 #	1	5	0.5	10	50	4	-
MPS9602	N	TO-92A	300	100	30	25	300 #	1	5	0.5	10	50	4	-
MPS9630	N	TO-92A	350	100	12	45	600 #	1	5	0.5	30	-	-	-
MPS9631	N	TO-92A	350	100	18	45	600 #	1	5	0.5	30	-	-	-
MPS9632	N	TO-92A	350	100	30	45	600 #	1	5	0.5	30	-	-	-
MPS9633	N	TO-92A	310	50	30	250	1800 #	2	5	0.5	10	150	3.5	2.5
MPS9634	N	TO-92A	310	50	30	250	1800 #	2	5	0.5	10	150	3.5	2+
MPSA09	N	TO-92A	350	50	50	100	600 #	0.1	5	0.9	10	30	5	-
MPSA10	N	TO-92A	210	100	40	40	400	5	10	-	-	20	4	-
MPSA18	N	TO-92A	350	200	45	500	1500	10	5	0.3	50	100	3	1.5
MPSA20	N	TO-92A	350	100	40	40	400 #	5	10	0.25	10	125	4	-
MPSA70	P	TO-92A	350	100	40	40	400 #	5	10	0.25	10	125	4	-
MPSD06	N	TO-92A	350	50	25	50	-	50	5	0.3	50	100	-	-
MPSD56	P	TO-92A	350	50	25	50	-	50	5	0.3	50	100	-	-
PN930	P	TO-92A	300	100	45	100	300	0.01	5	1	10	30	8	3
PN1711	N	TO-92A	300	100	32	100	300	150	10	1.5	150	70	25	-
PN3548	P	TO-92A	300	100	45	100	300	0.01	5	1	10	60	8	4
PN3565	N	TO-92A	300	50	25	150	600	1	10	0.35	1	40	4	-
PN3566	N	TO-92A	600	200	30	150	600	10	10	1	100	40	25	-
PN3694	N	TO-92A	600	30	45	100	450	10	1	0.2+	100	200	6	-
PN4294	P	TO-92A	200	100	60	100	300	0.1	5	0.25	10	40	6	3
PN4250	P	TO-92A	200	100	40	250	700	0.1	5	0.25	10	50	6	2
PN5138	P	TO-92A	300	50	30	50	800	0.1	10	0.3	10	30	7	-
SE4010	N	TO-106	200	50	25	200	1000	1	10	0.35	1	60	4	3
TIS60	N	TO-92B	300	400	25	100	300	50	2	0.6	100	200+	4.2+	-
TIS61	P	TO-92B	300	400	25	100	300	50	5	0.25	50	150+	5+	-
TIS90	N	TO-92B	625	400	40	100	300	50	2	0.25	50	200+	4.2+	-
TIS91	P	TO-92B	625	400	40	100	300	50	2	0.25	50	150+	5+	-
TIS92	N	TO-92F	625	400	40	100	300	50	2	0.25	50	200+	4.2+	-
TIS93	P	TO-92F	625	400	40	100	300	50	2	0.25	50	150+	5+	-
TIS97	N	TO-92F	360	200	40	250	700	0.1	5	0.5	100	200	4	3
TIS98	N	TO-92F	360	200	60	100	300	1	5	0.5	100	200	4	-
ZT87	N	TO-18	300	500	25	75	250	10	6	0.2	10	150	5	-
ZT187	P	TO-18	300	500	25	75	250	10	6	0.2	10	70	15	-
2N703	N	TO-18	300	50	25	40	100	10	5	0.5	10	70	6	-
2N760	N	TO-18	500	50	25	40	100	10	5	0.5	10	70	6	-
2N841	N	TO-18	500	100	45	76	333 □	5	1	10	50	8	-	-
2N929	N	TO-18	300	1000	45	60	400	10	5	2	10	40	15	-
2N929A	N	TO-18	500	30	45	45	120	0.01	5	1	10	30	8	4
2N930	N	TO-18	500	30	45	100	300	0.01	5	1	10	30	8	3
2N930A	N	TO-18	500	30	45	100	300	0.01	5	0.5	10	45	6	3
2N2511	N	TO-18	360	200	50	240	750	10	5	1	5	45	6	4
2N2586	N	TO-18	300	100	45	120	360	0.01	5	0.5	10	45	7	3
2N2605	P	TO-18	400	30	45	100	300	0.01	5	0.5	10	30	6	3
2N2711	N	TO-92B	200	30	18	30	90	2	45	-	-	-	12	2.8+
2N2712	N	TO-92B	200	100	18	75	225	2	4.5	-	-	-	12	2.8+
2N2714	N	TO-92B	200	100	18	75	225	2	4.5	0.3	50	-	-	-
2N2716	N	TO-92B	200	100	18	75	225	2	4.5	-	-	-	5	-
2N2923	N	TO-92B	200	100	25	90	180 □	2	10	-	-	-	12	-

# HFE groupings available □ hfe @ 1KHz + typical value