

# Small Signal Transistors

## TO-92 Case (Continued)



TO-92



TO-92-18R

TYPE NO.	DESCRIPTION	LEAD CODE	$V_{CBO}$	$V_{CEO}$	$V_{EBO}$	$I_{CBO} @$	$V_{CB}$	$h_{FE}$		$@ V_{CE}$	$@ I_C$	$V_{CE(SAT)} @ I_C$		$C_{ob}$	$f_T$	NF	$t_{off}$
			(V)	(V)	(V)	(nA)	(V)	MIN	MAX	(V)	(mA)	(V)	(mA)	(pF)	(MHz)	(dB)	
			MIN	* $V_{CES}$ MIN	MAX	* $I_{CES}$ * $I_{CEV}$ MAX								MAX	MIN	MAX	MAX
2N5812	NPN AMPL/SWITCH	CBE†	35	25	5.0	100	25	150	500	2.0	2.0	0.75	500	15	135	--	--
2N5813	PNP AMPL/SWITCH	CBE†	35	25	5.0	100	25	150	500	2.0	2.0	0.75	500	15	135	--	--
2N5816	NPN AMPL/SWITCH	CBE†	50	40	5.0	100	25	100	200	2.0	2.0	0.75	500	15	120	--	--
2N5817	PNP AMPL/SWITCH	CBE†	50	40	5.0	100	25	100	200	2.0	2.0	0.75	500	15	120	--	--
2N5818	NPN AMPL/SWITCH	CBE†	50	40	5.0	100	25	150	300	2.0	2.0	0.75	500	15	135	--	--
2N5819	PNP AMPL/SWITCH	CBE†	50	40	5.0	100	25	150	300	2.0	2.0	0.75	500	15	135	--	--
2N5822	NPN AMPL/SWITCH	CBE†	70	60	5.0	100	25	100	200	2.0	2.0	0.75	500	15	120	--	--
2N5823	PNP AMPL/SWITCH	CBE†	70	60	5.0	100	25	100	200	2.0	2.0	0.75	500	15	120	--	--
2N5830	NPN HIGH VOLTAGE	EBC	120	100	5.0	50	100	80	500	5.0	10	0.25	50	4.0	100	--	--
2N5831	NPN HIGH VOLTAGE	EBC	160	140	5.0	50	120	80	500	5.0	10	0.25	50	4.0	100	--	--
2N5961	NPN LOW NOISE	EBC	60	60	8.0	2.0	60	170	700	5.0	10	0.20	10	4.0	100	3.0	--
2N5962	NPN LOW NOISE	EBC	45	45	8.0	2.0	45	600	1,400	5.0	10	0.20	10	4.0	100	3.0	--
2N5963	NPN LOW NOISE	EBC	30	30	8.0	2.0	30	1,200	2,000	5.0	10	0.20	10	4.0	150	3.0	--
2N6076	PNP LOW NOISE	ECB	25	25	5.0	100	25	100	500	10	10	0.25	10	13	200*	--	--
2N6426	NPN DARLINGTON	EBC	40	40	12	50	30	20,000	200,000	5.0	500	1.50	500	7.0	150	10	--
2N6427	NPN DARLINGTON	EBC	40	40	12	50	30	14,000	140,000	5.0	500	1.50	500	7.0	130	10	--
2N6515	NPN HIGH VOLTAGE	EBC	250	250	6.0	50	150	45	220	10	50	1.0	50	6.0	40	--	--
2N6516	NPN HIGH VOLTAGE	EBC	300	300	6.0	50	200	40	200	10	50	1.0	50	6.0	40	--	--
2N6517	NPN HIGH VOLTAGE	EBC	350	350	6.0	50	250	20	100	10	50	1.0	50	6.0	40	--	--
2N6518	PNP HIGH VOLTAGE	EBC	250	250	5.0	50	150	45	220	10	50	1.0	50	6.0	40	--	--
2N6519	PNP HIGH VOLTAGE	EBC	300	300	5.0	50	200	40	200	10	50	1.0	50	6.0	40	--	--
2N6520	PNP HIGH VOLTAGE	EBC	350	350	5.0	50	250	20	100	10	50	1.0	50	6.0	40	--	--
BCX38A	NPN DARLINGTON	EBC	80	60	10	100	60	1,000	--	5.0	500	1.25	800	--	--	--	--
BCX38B	NPN DARLINGTON	EBC	80	60	10	100	60	4,000	--	5.0	500	1.25	800	--	--	--	--
BCX38C	NPN DARLINGTON	EBC	80	60	10	100	60	10,000	--	5.0	500	1.25	800	--	--	--	--
GES6014	NPN AMPL/SWITCH	EBC	70	60	5.0	10	25	100	300	1.0	10	0.50	500	10	105	5.0	400
MPS404A	PNP CHOPPER	EBC	40	35	25	100	10	100	400	0.15	12	0.15	12	40	--	--	--
MPS650	NPN HIGH CURRENT	EBC	60	40	5.0	100	60	40	--	2.0	2,000	0.50	2,000	--	75	--	--
MPS651	NPN HIGH CURRENT	EBC	80	60	5.0	100	80	40	--	2.0	2,000	0.50	2,000	--	75	--	--
MPS750	PNP HIGH CURRENT	EBC	60	40	5.0	100	60	40	--	2.0	2,000	0.50	2,000	--	75	--	--
MPS751	PNP HIGH CURRENT	EBC	80	60	5.0	100	80	40	--	2.0	2,000	0.50	2,000	--	75	--	--
MPS3392	NPN AMPL/SWITCH	EBC	25	25	5.0	100	18	150	300	4.5	2.0	--	--	10	--	--	--
MPS3395	NPN AMPL/SWITCH	EBC	25	25	5.0	100	18	150	500	4.5	2.0	--	--	10	--	--	--
MPS3396	NPN AMPL/SWITCH	EBC	25	25	5.0	100	18	90	500	4.5	2.0	--	--	10	--	--	--
MPS3397	NPN AMPL/SWITCH	EBC	25	25	5.0	100	18	55	500	4.5	2.0	--	--	10	--	--	--
MPS3398	NPN AMPL/SWITCH	EBC	25	25	5.0	100	18	55	800	4.5	2.0	--	--	10	--	--	--
MPS3415	NPN LOW NOISE	EBC	25	25	5.0	100	25	180	540	4.5	2.0	0.30	50	--	--	--	--
MPS3702	PNP AMPL/SWITCH	EBC	40	25	5.0	100	20	60	300	5.0	50	0.25	50	12	100	--	--
MPS3704	NPN AMPL/SWITCH	EBC	50	30	5.0	100	20	100	300	2.0	50	0.60	100	12	100	--	--
MPS3706	NPN AMPL/SWITCH	EBC	40	20	5.0	100	20	30	600	2.0	50	1.0	100	12	100	--	--
MPS3707	NPN LOW NOISE	EBC	30	30	6.0	100	20	100	400	5.0	0.10	1.0	10	4.0	--	5.0	--
MPS3708	NPN LOW NOISE	EBC	30	30	6.0	100	20	45	660	5.0	1.0	1.0	10	--	--	--	--

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Devices are available lead formed,  
See pages 216 thru 219 for details.  
Also available in Ammpack or Tape & Reel,  
See pages 230 thru 235 for details.  
† TO-92-18R

(6-December 2004)

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### REQUESTING PRODUCT PLATING

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2. If requesting Lead (Pb) Free plated devices, add the suffix " PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

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