Small Signal Transistors
TO-92 Case (Continued)

TO-92

TO-92-18R

TYPE NO.	FAMILY	LEAD CODE	V_{CBO} (V)	V_{CEO} (V)	V_{EBO} (V)	I_{CBO} @ V_{CBO} (nA)	(V)	h_{FE}		@ V_{CE} (V)	@ I_C (mA)	$V_{CE(SAT)}$ @ I_C (V)	(mA)	C_{ob} (pF)	f_T (MHz)	NF (dB)	t_{off}
		*TO-92-18R	MIN	*V_{CES} MIN	MIN	*I_{CES} **I_{CEV}		MIN	*h_{fe}(1kHZ) MAX					*C_{rb} MAX	*TYP 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
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	----	----	----	----

Shaded areas indicate Darlington.
Devices are available lead formed. See pages 217 and 218 for details.