Small Signal Transistors

TO-39 Case (Continued)

TYPE NO.	DESCRIPTION	V_{CBO} (V)	V_{CEO} (V)	V_{EBO} (V)	I_{CBO} @ (µA)	V_{CB} (V)	h_{FE}		@ I_C (mA)	@ V_{CE} (V)	$V_{CE\ (SAT)}$ @ I_C		f_T (MHz)	C_{ob} (pF)	t_{on} (ns)	t_{off} (ns)	NF (dB)
			*V_{CER}		*ICEO **ICES ***ICEV ****ICER						(V)	(mA)	*TYP	*TYP	*TYP	*TYP	*TYP
		MIN	MIN	MIN			MIN	MAX			MAX		MIN	MAX	MAX	MAX	MAX
2N5784	NPN AMPL/SWITCH	80	65	5.0	10***	75	20	100	1,000	2.0	0.50	1,000	1.0	- -	- -	- -	- -
2N5785	NPN AMPL/SWITCH	65	50	5.0	10***	60	20	100	1,200	2.0	0.75	1,200	1.0	- -	- -	- -	- -
2N5786	NPN AMPL/SWITCH	45	40	3.5	10***	45	20	100	1,600	2.0	1.00	1,600	1.0		- -	- -	- -
2N5859	NPN CORE DRIVER	80	40	6.0	0.25	50	30	120	500	1.0	0.70	1,000	250	7.0	35	60	- -
2N5861	NPN CORE DRIVER	100	50	6.0	0.30	50	25	100	500	1.0	0.50	500	200	7.0	25	60	- -
2N6190	NPN HIGH CURRENT	80	80	6.0	10	80	30	120	2,000	2.0	0.70	2,000	30	300	- -	- -	- -
2N6191	PNP HIGH CURRENT	80	80	6.0	10	80	60	240	2,000	2.0	0.70	2,000	30	300	- -	- -	- -
2N6192	PNP HIGH CURRENT	100	100	6.0	10	100	30	120	2,000	2.0	0.70	2,000	30	300	- -	- -	- -
2N6193	PNP HIGH CURRENT	100	100	6.0	10	100	60	240	2,000	2.0	0.70	2,000	30	300	- -	- -	- -
BC140	NPN AMPL/SWITCH	80	40	7.0	0.10**	60	40	250	100	1.0	1.00	1,000	50	25	250	850	- -
BC141	NPN AMPL/SWITCH	100	60	7.0	0.10**	60	40	250	100	1.0	1.00	1,000	50	25	250	850	- -
BC160	PNP AMPL/SWITCH	40	40	5.0	0.10**	40	40	250	100	1.0	1.00	1,000	50	30	500	650	- -
BC161	PNP AMPL/SWITCH	60	60	5.0	0.10**	60	40	250	100	1.0	1.00	1,000	50	30	500	650	- -
BC300	NPN AMPL/SWITCH	120	80	7.0	0.02	60	40	240	150	10	0.50	150	100*	12*	- -	- -	- -
BC301	NPN AMPL/SWITCH	90	60	7.0	0.02	60	40	240	150	10	0.50	150	100*	12*	- -	- -	- -
BC302	NPN AMPL/SWITCH	60	45	7.0	0.02	60	40	240	150	10	0.50	150	100*	12*	- -	- -	- -
BC303	PNP AMPL/SWITCH	85	60	6.0	0.02	60	40	240	150	10	0.65	150	100*	15*	- -	- -	- -
BC304	PNP AMPL/SWITCH	60	45	6.0	0.02	60	40	240	150	10	0.65	150	100*	15*	- -	- -	- -
BC440	NPN AMPL/SWITCH	50	40	5.0	0.10	40	40	250	500	4.0	1.00	1,000	50	- -	- -	- -	- -
BC441	NPN AMPL/SWITCH	70	60	5.0	0.10	40	40	250	500	4.0	1.00	1,000	50	- -	- -	- -	- -
BC460	PNP AMPL/SWITCH	50	40	5.0	0.10	40	40	250	500	4.0	1.00	1,000	50	- -	- -	- -	- -
BC461	PNP AMPL/SWITCH	70	60	5.0	0.10	40	40	250	500	4.0	1.00	1,000	50	- -	- -	- -	- -
BCW78	NPN AMPL/SWITCH	45	45	5.0	0.02**	45	100	630	100	1.0	0.70	500	- -	- -	- -	- -	- -
BCW80	PNP AMPL/SWITCH	45	45	5.0	0.02**	45	63	400	100	1.0	0.70	500	- -	- -	- -	- -	- -
BD115	NPN HIGH VOLTAGE	250	180	5.0	550*	200	22	- -	50	100	9.00	100	150*	- -	- -	- -	- -
BF178	NPN AMPL/SWITCH	185	115	5.0	0.01	185	20	- -	30	20	- -	- -	120*	- -	- -	- -	- -
BF257	NPN HIGH VOLTAGE	160	160	5.0	50	100	25	- -	30	10	1.00	30	90*	- -	- -	- -	- -
BF258	NPN HIGH VOLTAGE	250	250	5.0	50	200	25	- -	30	10	1.00	30	90*	- -	- -	- -	- -
BF259	NPN HIGH VOLTAGE	300	300	5.0	50	250	25	- -	30	10	1.00	30	90*	- -	- -	- -	- -
BF337	NPN HIGH VOLTAGE	250	200	5.0	100****	200	20	- -	30	10	- -	- -	- -	- -	- -	- -	- -
BFR36	NPN AMPL/SWITCH	40	30	3.0	0.15	20	60	- -	70	5.0	- -	- -	1.0	- -	- -	- -	4.0*
BFS89	NPN HIGH VOLTAGE	300	300	5.0	0.05	250	25	- -	50	10	- -	- -	- -	- -	- -	- -	- -
BFS95	PNP AMPL/SWITCH	40	35	6.0	0.05	30	15	- -	1,000	10	0.20	150	- -	- -	- -	- -	- -
BFT28C	PNP HIGH VOLTAGE	300	250	- -	5.00	150	20	- -	10	10	5.00	30	25	- -	- -	- -	- -
BFW16A	NPN AMPL/SWITCH	40	25	3.0	20	20	25	- -	50	5.0	- -	- -	1.2*	- -	- -	- -	6.0
BFW44	PNP AMPL/SWITCH	150	150	6.0	0.01	100	40	- -	10	10	0.50	10	60	7.0	- -	- -	- -
BFX34	NPN AMPL/SWITCH	120	60	6.0	10**	60	40	150	2,000	2.0	1.00	5,000	70	100	600	1,200	- -
BFX84	NPN AMPL/SWITCH	100	60	6.0	0.50	100	30	- -	150	10	1.00	500	50	12	- -	- -	- -
BFX85	NPN AMPL/SWITCH	100	60	6.0	0.50	100	70	- -	150	10	1.00	500	50	12	- -	- -	- -

Datasheet.Live

(6-December 2004)