PRO ELECTRON SERIES (Continued)

Type No.	Case Style	V_{CES}* V_{CBO} (V) Min	V_{CEO} (V) Min	V_{EBO} (V) Min	I_{CES}* I_{CBO} (nA) Max	@ V_{CB} (V)	H_{FE} h_{fe} 1 kHz* Min	H_{FE} h_{fe} 1 kHz* Max	@ I_C (mA)	& V_{CE} (V)	$V_{CE(SAT)}$ (V) Max	& $V_{BE(SAT)}$ $V_{BE(ON)}$* (V) Min	$V_{BE(SAT)}$ $V_{BE(ON)}$* (V) Max	@ I_C (mA)	C_{ob} (pF) Max	f_T (MHz) Min	f_T (MHz) Max	@ I_C (mA)	t_{off} (ns) Max	NF (dB) Max	Test Conditions	Process No.
BF254	TO-92 (98)	30	20	5	100	20	67 6	220	1 12	10 7		0.65	0.74*	1	0.34			1		3.5	7	46
BF255	TO-92 (98)	30	20	5	100	20	36 6	125	1 12	10 7		0.65	0.74*	1	0.34			1		3.5	7	46
BF257	TO-39	100	100	5	50	100	25 6		30 12	10 7	1.0	0.65	0.74*	30	0.34			1		3.5	7	48
BF258	TO-39	250	250	5	50	200	25 6		30 12	10 7	1.0	0.65	0.74*	30	0.34			1		3.5	7	48
BF259	TO-39	300	300	5	50	250	25 6		30 12	10 7	1.0	0.65	0.74*	30	0.34			1		3.5	7	48
BF457	TO-126	100	100	5	50	100	25 6		30 12	10 7	1.0	0.65	0.74*	30	0.34			1		3.5	7	48
BF458	TO-126	250	200	5	50	200	25 6		30 12	10 7	1.0	0.65	0.74*	30	0.34			1		3.5	7	48
BF459	TO-126	300	300	5	50	250	25 6		30 12	10 7	1.0	0.65	0.74*	30	0.34			1		3.5	7	48
BFX13	TO-18	20	15	5	50	15	10 50 18	 250 	100 10 1	2 0.35 2	0.2 0.25 1.5	 0.7 	0.78 0.9 1.5	1 10 100	6	150		10		10	8	66
BFX29	TO-5	20	15	5	50	50	40 50 50 40 20		150 50 10 1 0.1	10 10 10 10 10	 0.4		 1.3 0.9	 150 30	.12	100		50	150		9	63
BFX30	TO-5	65	65	5	50	50	10 20 50 40	 200 	150 50 10 1	0.4 0.4 0.4 0.4			 0.9 1.3	 30 150	12				290		4	63
BFX37	TO-18	60	60	6	20†	50	100 100 0.85 70	 300	10 1 0.1 0.01	5 5 5 5	0.4 0.25		1.0 0.9	50 10	6	40		0.5		3	1	62
BFX65	TO-18	45	45	6	10*	40	100 100 100 40		10 1 0.1 0.01	5 5 5 5	0.25		0.9	10	6.5					3	1	62

T-31-01

TEST CONDITIONS:
(1) $I_C = 200\ \mu A$, $V_{CE} = 5V$, f = 1 kHz. (2) $I_C = 100$ mA, $V_{CC} = 20V$, $I_B^1 = I_B^2 = 5$ mA. (3) $I_C = 200\ \mu A$, $V_{CE} = 2V$, f = 1 kHz. (4) $I_C = 100$ mA, $V_{CC} = 10V$, $I_B^1 = I_B^2 = 10$ mA. (5) $I_C = 10$ mA, $V_{CC} = 3V$, $I_B^1 = I_B^2 = 1$ mA. (6) $I_C = 100\ \mu A$, $V_{CE} = 5V$, f = 1 kHz. (7) $I_C = 1$ mA, $V_{CE} = 10V$, f = 200 kHz. (8) $I_C = 1$ mA, $V_{CE} = 5V$, f = 1 kHz. (9) $I_C = 150$ mA, $V_{CC} = 6V$, $I_B^1 = I_B^2 = 15$ mA. (10) $I_C = 10\ \mu A$, $V_{CE} = 5V$, f = WB.