



PRO ELECTRON SERIES (Continued)

Type No.	Case Style	VCES* VCBO (V) Min	VCEO (V) Min	VEBO (V) Min	ICES* ICBO (nA) @ Max	VCB (V)	HFE hfe 1 kHz*			VCE(SAT) (V) & VBE(ON)* @ (V)			Cob (pF) Max	fT (MHz) @ IC (mA)			toff (ns) Max	NF (dB) Max	Test Conditions	Process No.	
							Min	Max	IC (mA)	VCE (V)	Max	Min		Max	IC (mA)	Min					Max
BC179B	TO-18	25	20	5	100	20	110 240	2 500*	5 5	0.18	0.78 0.75* 1.0*	10 2 100	4.5	150	10		4	1	71		
BC182	TO-92 (97)	60	50	5	15	50	40 80 125	0.01 100 500*	5 5 5	0.6 0.25	1.2 0.70*	100 10 2	5	150	10		10	1	04		
BC182A	TO-92 (97)	60	50	5	15	50	40 80 125	0.01 100 260*	5 5 2	0.6 0.25	1.2 0.70*	100 10 2	5	150	10		10	1	04		
BC182B	TO-92 (97)	60	50	5	15	50	40 80 240	0.01 100 500*	5 5 5	0.6 0.25	1.2 0.70*	100 10 2	5	150	10		10	1	04		
BC182L	TO-92 (94)	60	50	5	15	50	40 80 125	0.01 100 500*	5 5 5	0.6 0.25	1.2 0.70*	100 10 2	5	150	10		10	1	04		
BC182LA	TO-92 (94)	60	50	5	15	50	40 80 125	0.01 100 260*	5 5 5	0.6 0.25	1.2 0.70*	100 10 2	5	150	10		10	1	04		
BC182LB	TO-92 (94)	60	50	5	15	50	40 80 240	0.01 100 500*	5 5 5	0.6 0.25	1.2 0.70*	100 10 2	5	150	10		10	1	04		
BC183	TO-92 (97)	45	30	5	15	30	40 80 125	0.01 100 900*	5 5 5	0.6 0.25	1.2 0.70*	100 10 2	5	150	10		10	1	04		
BC183A	TO-92 (97)	45	30	5	15	30	40 80 125	0.01 100 260*	5 5 5	0.6 0.25	1.2 0.70*	100 10 2	5	150	10		10	1	04		
BC183B	TO-92 (97)	45	30	5	15	30	40 80 240	0.01 100 500*	5 5 5	0.6 0.25	1.2 0.70*	100 10 2	5	150	10		10	1	04		
BC183C	TO-92 (97)	45	30	5	15	30	40 80 450	0.01 100 900*	5 5 5	0.6 0.25	1.2 0.70*	100 10 2	5	150	10		10	1	04		

TEST CONDITIONS:

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