



PRO ELECTRON SERIES (Continued)

Type No.	Case Style	V_{CES}^* V_{CBO} (V)	V_{CEO} (V)	V_{EBO} (V)	I_{CES}^* I_{CBO} (mA)	V_{CB} (V)	h_{FE} h_{fe} 1 kHz*	I_C (mA)	V_{CE} (V)	$V_{CE(SAT)}$ (V)	$V_{BE(SAT)}$ & $V_{BE(ON)}^*$ (V)	I_C (mA)	C_{ob} (pF)	f_T (MHz)	t_{off} (ns)	NF (dB)	Test Conditions	Process No.	
		Min	Min	Min	Max		Min	Max		Max	Min	Max	Max	Min	Max	Max	Max		
BC212A	TO-92 (97)	60	50	5	15	30	100	300*	2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63
BC212B	TO-92 (97)	60	50	5	15	30	200	400*	2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63
BC212L	TO-92 (94)	60	50	5	15	30	40 60 60*		0.01 2 5 2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63
BC212LA	TO-92 (94)	60	50	5	15	30	40 60 100		0.01 2 5 300* 2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63
BC212LB	TO-92 (94)	60	50	5	15	30	40 60 200		0.01 2 5 400* 2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63
BC213	TO-92 (97)	45	30	5	15	30	40 60 80		0.01 2 5 600* 2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63
BC213A	TO-92 (97)	45	30	5	15	30	40 60 100		0.01 2 5 300* 2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63
BC213B	TO-92 (97)	45	30	5	15	30	40 60 200		0.01 2 5 400* 2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63
BC213C	TO-92 (97)	45	30	5	15	30	40 60 350		0.01 2 5 600* 2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63
BC213L	TO-92 (94)	45	30	5	15	30	40 80 80*		0.01 2 5 400 2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63
BC213LA	TO-92 (94)	45	30	5	15	30	40 80 100		0.01 2 5 300* 2 5	0.6 0.25	1.1 0.6	100 10 2	10	200	10		10	1	63

TEST CONDITIONS:

(1) $I_C = 200 \mu A$, $V_{CE} = 5V$, $f = 1 \text{ kHz}$. (2) $I_C = 100 \text{ mA}$, $V_{CC} = 20V$, $I_{B1} = I_{B2} = 5 \text{ mA}$. (3) $I_C = 200 \mu A$, $V_{CE} = 2V$, $f = 1 \text{ kHz}$. (4) $I_C = 100 \text{ mA}$, $V_{CC} = 10V$, $I_{B1} = I_{B2} = 10 \text{ mA}$. (5) $I_C = 10 \text{ mA}$, $V_{CC} = 3V$, $I_{B1} = I_{B2} = 1 \text{ mA}$. (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) $I_C = 150 \text{ mA}$, $V_{CC} = 6V$, $I_{B1} = I_{B2} = 15 \text{ mA}$. (10) $I_C = 10 \mu A$, $V_{CE} = 5V$, $f = \text{WB}$.