



PRO ELECTRON SERIES (Continued)

Datasheet Global

5-22

Type No.	Case Style	VCES* VCBO (V) Min	VCEO (V) Min	VEBO (V) Min	ICES* ICBO (nA) @ Max	VCB (V)	HFE hfe @ 1 kHz*		IC (mA) & VCE (V)	VCE(SAT) (V) & VBE(ON)* (V) @	IC (mA)	Cob (pF) Max	fT (MHz) @		toff (ns) Max	NF (dB) Max	Test Conditions	Process No.	
							Min	Max					Min	Max					
BD240B	TO-220	80	80		200 μA* 80		15 40	1A 200	4 4	0.7	1.3*	1A		3	200	420	6	5/6	5F
BD240C	TO-220	80	100		200 μA* 100		15 40	1A 200	4 4	0.7	1.3*	1A		3	200	420	6	5/6	5F
BD241	TO-220	80	45		200 μA* 45		10 25	3A 1A	4 4	1.3	1.8*	3A		3	500	420	6	5/6	4F
BD241A	TO-220	80	60		200 μA* 60		10 25	3A 1A	4 4	1.3	1.8*	3A		3	500	420	6	5/6	4F
BD241B	TO-220	80	80		200 μA* 80		10 25	3A 1A	4 4	1.3	1.8*	3A		3	500	420	6	5/6	4F
BD241C	TO-220	80	100		200 μA* 100		10 25	3A 1A	4 4	1.3	1.8*	3A		3	500	420	6	5/6	4F
BD242	TO-220	80	45		200 μA* 45		10 25	3A 1A	4 4	1.2	1.8*	3A		3	500	420	6	5/6	5E
BD242A	TO-220	80	60		200 μA* 60		10 25	3A 1A	4 4	1.2	1.8*	3A		3	500	420	6	5/6	5E
BD242B	TO-220	80	80		200 μA* 80		10 25	3A 1A	4 4	1.2	1.8*	3A	3	3	500	420	6	5/6	5E
BD242C	TO-220	80	100		200 μA* 100		10 25	3A 1A	4 4	1.2	1.8*	3A		3	500	420	6	5/6	5E
BD243	TO-220		45		400 μA* 45		30 15	300 3A	4 4					3	500				4A
BD243A	TO-220		60		400 μA* 60		30 15	300 3A	4 4					3	500				4A
BD243B	TO-220		80		400 μA* 80		30 15	300 3A	4 4					3	500				4A
BD243C	TO-220		100		400 μA* 100		30 15	300 3A	4 4										4A
BD244	TO-220		45		400 μA* 45		30 15	300 3A	4 4										4A
BD244A	TO-220		60		400 μA* 60		30 15	300 3A	4 4										5A
BD244B	TO-220		80		400 μA* 80		30 15	300 3A	4 4					3	500				5A
BD244C	TO-220		100		400 μA* 100		30 15	300 3A	4 4					3	500				5A
BD344	TO-126	60	60	5	500 60		60 40	50 250	1 200	0.4		200	20	50	50				78