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Fairchild Semiconductor BDX54BTU

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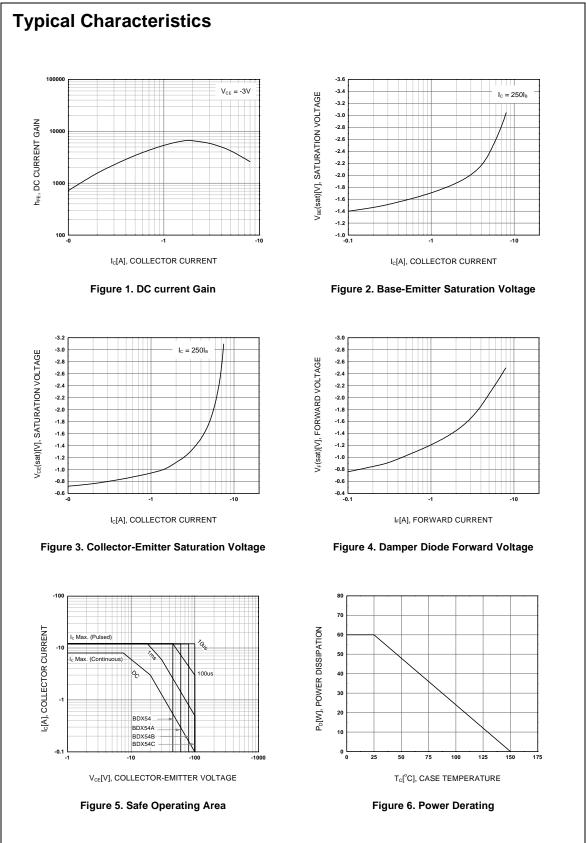


	BDX54	/A/B/C				
Power Li	Drivers, Audio Amplifiers App ner and Switching Application			11131		9
Power Darlir Complemen	ngton TR t to BDX53, BDX53A, BDX53B and BDX53C re	spectively		20		
			1///	TO-22	20	
PNP Epi	taxial Silicon Transistor	1	.Base 2.C	ollector	3.Emi	tter
bsolute	Maximum Ratings T _C =25°C unless	otherwise noted				
Symbol	Parameter		Value			Units
V _{CBO}	Collector-Base Voltage : BDX54 : BDX54A		- 45 V - 60 V			
	: BDX54A : BDX54B		- 80 V			
	: BDX54C		- 100 V			
V _{CEO}	Collector-Emitter Voltage : BDX54		- 45 V			
	: BDX54A		- 60			V
	: BDX54B			80		V
V	: BDX54C		- 1			V
V _{EBO}	Emitter-Base Voltage Collector Current (DC)		- 5			A
I _C I _{CP}	*Collector Current (DC)		- 0			A
I _B	Base Current		- 12			A
P _C	Collector Dissipation ($T_{C}=25^{\circ}C$)		60			W
<u>т.</u>	Junction Temperature	150			°C	
T _{STG}	Storage Temperature			°C		
	Characteristics T _C =25°C unless othe	erwise noted				
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Unit
V _{CEO} (sus)	* Collector-Emitter Sustaining Voltage : BDX54 : BDX54A : BDX54B : BDX54C	I _C = - 100mA, I _B = 0	- 45 - 60 - 80 - 100			V V V V
I _{CBO}	Collector Cut-off Current : BDX54 : BDX54A : BDX54B : BDX54C	$V_{CB} = -45V, I_E = 0 \\ V_{CB} = -60V, I_E = 0 \\ V_{CB} = -80V, I_E = 0 \\ V_{CB} = -100V, I_E = 0$			- 200 - 200 - 200 - 200	μΑ μΑ μΑ μΑ
I _{CEO}	Collector Cut-off Current : BDX54 : BDX54A : BDX54B : BDX54C	$V_{CE} = -22V, I_B = 0$ $V_{CE} = -30V, I_B = 0$ $V_{CE} = -40V, I_B = 0$ $V_{CE} = -50V, I_B = 0$			- 500 - 500 - 500 - 500	μΑ μΑ μΑ μΑ
I _{EBO}	Emitter Cut-off Current			mA		
h _{FE}	* DC Current Gain	V _{CE} = - 3V, I _C = - 3A 750				
V _{CE} (sat)	* Collector-Emitter Saturation Voltage	I _C = - 3A, I _B = - 12m			- 2	V
V _{BE} (sat)	* Base-Emitter Saturation Voltage	I _C = - 3A, I _B = - 12m	hΑ		- 2.5	V
V _F	* Parallel Diode Forward Voltage	I _F = - 3A	1	- 1.8	- 2.5	V

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BDX54/A/B/C



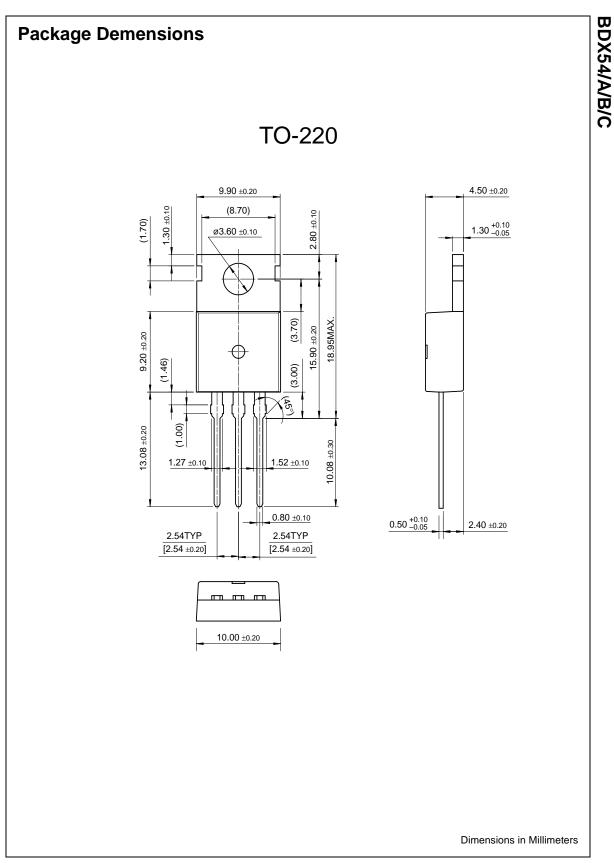


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Rev. A, February 2000





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