

Excellent Integrated System Limited

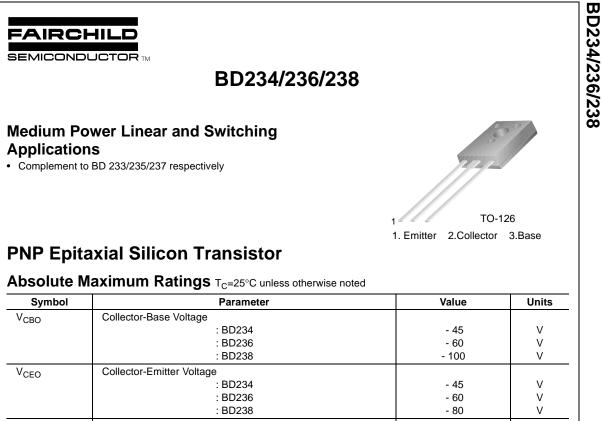
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Fairchild Semiconductor BD238S

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>





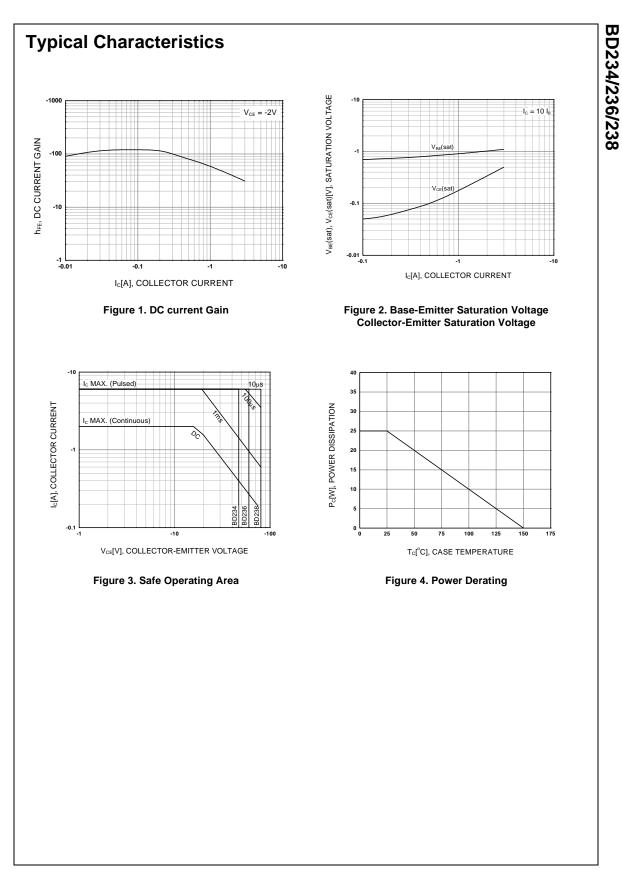
	: BD236	- 60	V
	: BD238	- 80	V
V _{CER}	Collector-Emitter Voltage		
	: BD234	- 45	V
	: BD236	- 60	V
	: BD238	- 100	V
V _{EBO}	Emitter-Base Voltage	- 5	V
I _C	Collector Current (DC)	- 2	Α
I _{CP}	*Collector Current (Pulse)	- 6	А
P _C	Collector Dissipation (T _C =25°C)	25	W
Т _Ј	Junction Temperature	150	°C
Teto	Storage Temperature	- 65 ~ 150	°C

Electrical Characteristics T_C=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
V _{CEO} (sus)	* Collector-Emitter Sustaining Voltage					
	: BD234	$I_{C} = -100 \text{mA}, I_{B} = 0$	- 45			V
	: BD236	0 0	- 60			V
	: BD238		- 80			V
I _{CBO}	Collector Cut-off Current					
	: BD234	$V_{CB} = -45V, I_E = 0$			- 100	μΑ
	: BD236	$V_{CB} = -60V, I_E = 0$			- 100	μΑ
	: BD238	$V_{CB} = -100V, I_E = 0$			- 100	μA
I _{EBO}	Emitter Cut-off Current	$V_{EB} = -5V, I_{C} = 0$			- 1	mA
h _{FE}	* DC Current Gain	$V_{CE} = -2V, I_{C} = -150mA$	40			
		$V_{CE} = -2V, I_{C} = -1A$	25			
V _{CE} (sat)	* Collector-Emitter Saturation Voltage	I _C = - 1A , I _B = - 0.1A			- 0.6	V
V _{BE} (on)	* Base-Emitter ON Voltage	V _{CE} = - 2V, I _C = - 1A			- 1.3	V
f _T	Current Gain Bandwidth Product	$V_{CE} = -10V, I_{C} = -250mA$	3			MH

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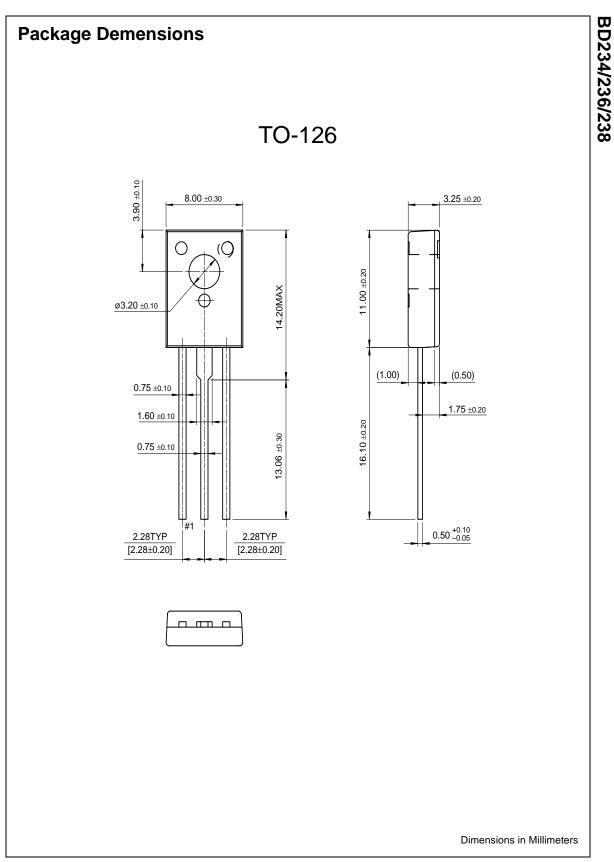




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Rev. A, February 2000





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