

Excellent Integrated System Limited

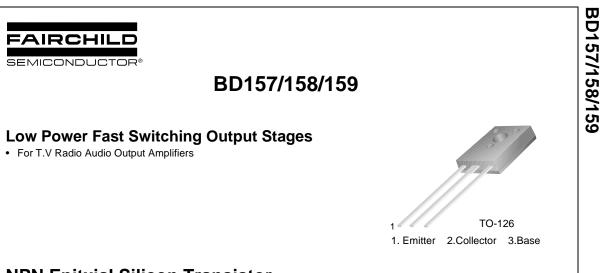
Stocking Distributor

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

Fairchild Semiconductor BD157STU

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





NPN Epitxial Silicon Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Paramet	er	Value	Units
V _{CBO}	Collector-Base Voltage	: BD157	275	V
020	_	: BD158	325	V
		: BD159	375	V
V _{CEO}	Collector-Emitter Voltage	: BD157	250	V
		: BD158	300	V
		: BD159	350	V
/ _{EBO}	Emitter-Base Voltage		5	V
С	Collector Current (DC)		0.5	А
СР	*Collector Current (Pulse)		1.0	А
В	Base Current		0.25	А
°c	Collector Dissipation (T _C =25°C)		20	W
TJ	Junction Temperature		50	°C
T _{STG}	Storage Temperature		- 65 ~ 150	°C

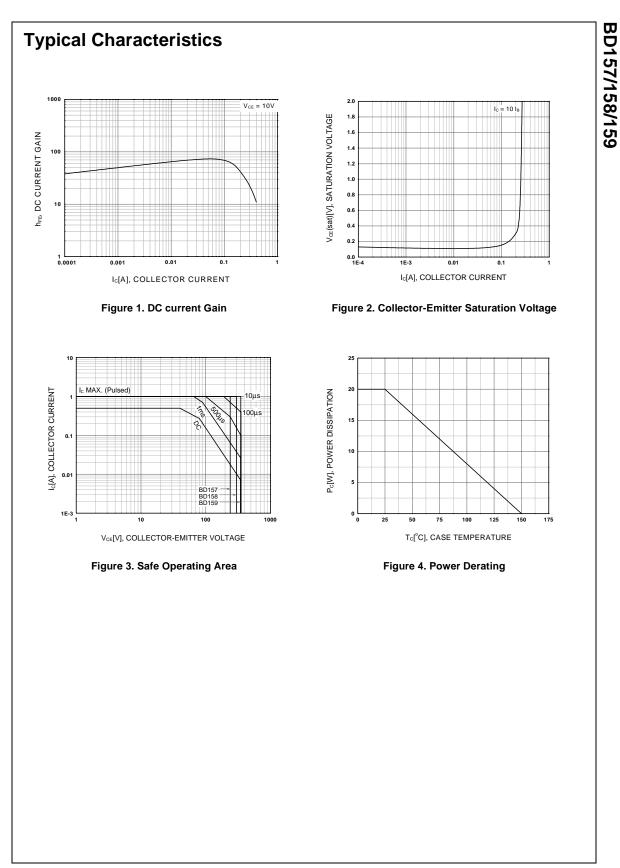
Electrical Characteristics T_C=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CEO}	*Collector-Emitter Breakdown Voltage					
	: BD157	$I_{C} = 1 \text{ mA}, I_{B} = 0$	250			V
	: BD158		300			V
	: BD159		350			V
I _{CBO}	Collector Cut-off Current					
	: BD157	V _{CB} = 275V, I _E = 0			100	μΑ
	: BD158	$V_{CB} = 275V, I_E = 0$ $V_{CB} = 325V, I_E = 0$			100	μΑ
	: BD159	$V_{CB} = 375V, I_E = 0$			100	μA
I _{EBO}	Emitter Cut-off Current	$V_{EB} = 5V, I_{C} = 0$			100	μΑ
h _{FE}	* DC Current Gain	$V_{CE} = 10V, I_{C} = 50mA$	30		240	

* Pulse Test: PW=300µs, duty Cycle=1.5% Pulsed



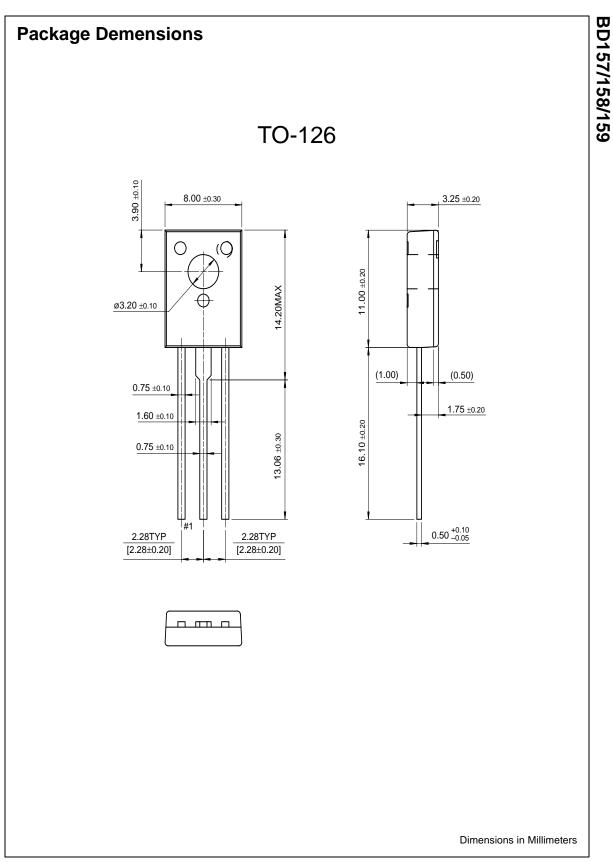
Distributor of Fairchild Semiconductor: Excellent Integrated System Limited Datasheet of BD157STU - TRANS NPN 250V 0.5A TO-126 Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



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Bottomless™	FASTr™	PACMAN™	Stealth™
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CROSSVOLT™	GlobalOptoisolator™	Power247™	SuperSOT™-6
DenseTrench™	GTO™	PowerTrench [®]	SuperSOT™-8
DOME™	HiSeC™	QFET™	SyncFET™
EcoSPARK™	ISOPLANAR™	QS™	TruTranslation™
E ² CMOS™	LittleFET™	QT Optoelectronics [™]	TinyLogic™
EnSigna™	MicroFET™	Quiet Series™	UHC™
FACT™	MICROWIRE™	SLIENT SWITCHER [®]	UltraFET [®]
FACT Quiet Series™	OPTOLOGIC™	SMART START™	VCX™

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