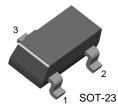


SEMICONDUCTOR®

FJV1845

Amplifier Transistor

Complement to FJV992



1. Base 2. Emitter 3. Collector

NPN Epitaxial Silicon Transistor

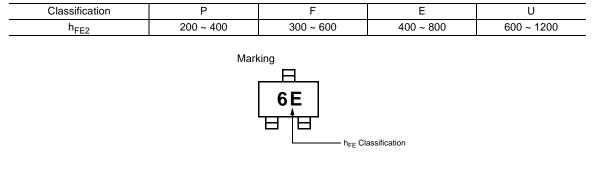
Symbol	Parameter	Value	
V _{CBO}	Collector-Base Voltage	120	V
V _{CEO}	Collector-Emitter Voltage	120	V
V _{EBO}	Emitter-Base Voltage	5	V
I _C	Collector Current	50	mA
в	Base Current	10	mA
P _C	Collector Dissipation	300	mW
ТJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 ~ 150	°C

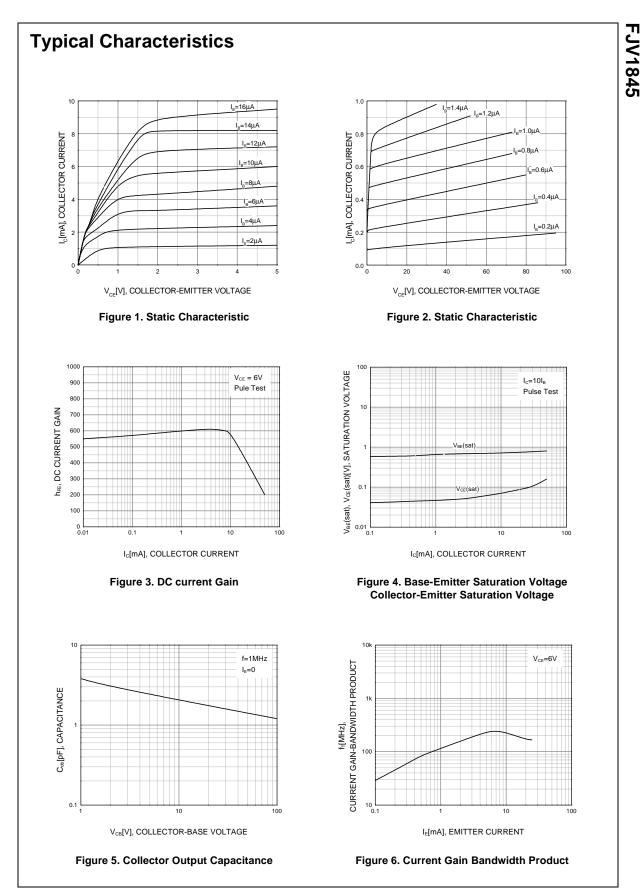
Absolute Maximum Ratings Ta=25°C unless otherwise noted

Electrical Characteristics $T_a=25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
I _{CBO}	Collector Cut-off Current	V _{CB} =120V, I _E =0			50	nA
I _{EBO}	Emitter Cut-off Current	V _{EB} =5V, I _C =0			50	nA
h _{FE1}	DC Current Gain	V _{CE} =6V, I _C =0.1mA	150	580		
h _{FE2}		V _{CE} =6V, I _C =1mA	200	600	1200	
V _{BE} (on)	Base-Emitter On Voltage	V _{CE} =6V, I _C =1mA	0.55	0.59	0.65	V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =10mA, I _B =1mA		0.07	0.3	V
f _T	Current Gain Bandwidth Product	V _{CE} =6V, I _C =1mA	50	110		MHz
C _{ob}	Output Capacitance	V _{CB} =30V, I _E =0, f=1MHz		1.6	2.5	pF

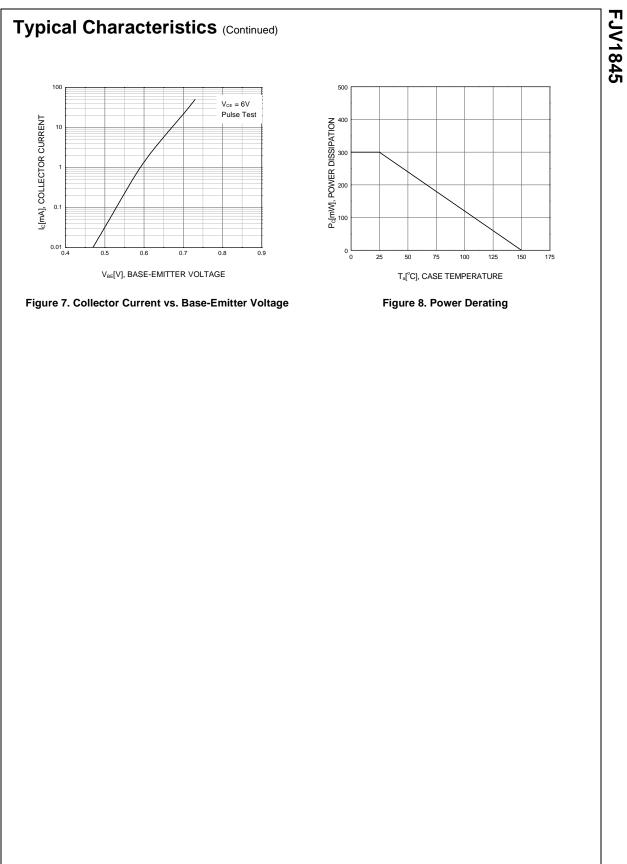
h_{FE2} Classification

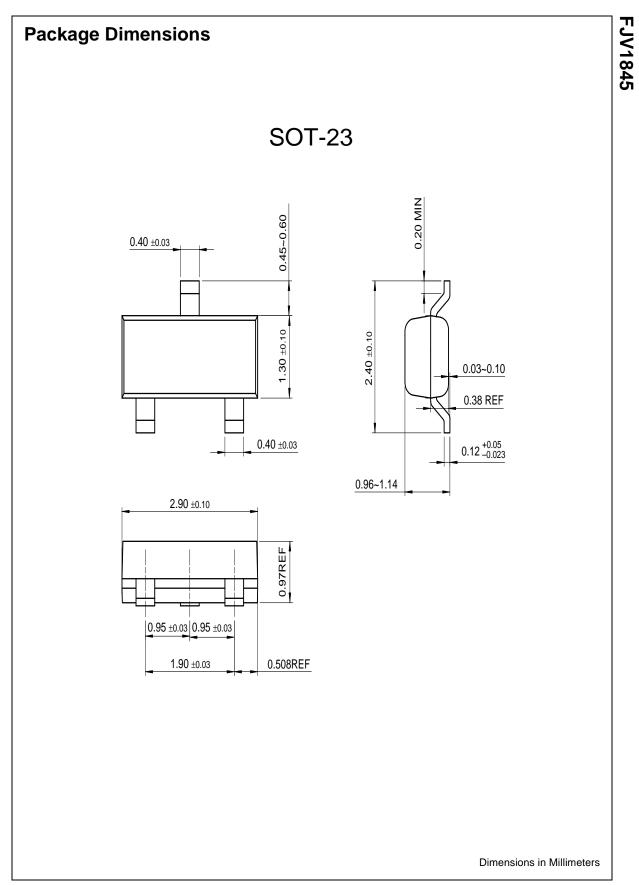




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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
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No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.