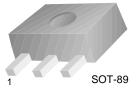


SEMICONDUCTOR®

FJC2098

Camera Strobe Flash Application

- Complement to FJC1386
- High Collector Current
- Low Collector-Emitter Saturation Voltage



1. Base 2. Collector 3. Emitter

NPN Epitaxial Silicon Transistor

Symbol	Parameter	Value	Units
V _{CBO}	Collector-Base Voltage	50	V
V _{CEO}	Collector-Emitter Voltage	20	V
V _{EBO}	Emitter-Base Voltage	6	V
I _C	Collector Current (DC)	5	А
P _C	Power Dissipation(T _C =25°C)	0.5	W
Т _Ј	Junction Temperature	150	°C
Т _{STG}	Storage Temperature	- 55 ~ 150	°C

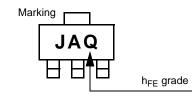
Absolute Maximum Ratings T_C=25°C unless otherwise noted

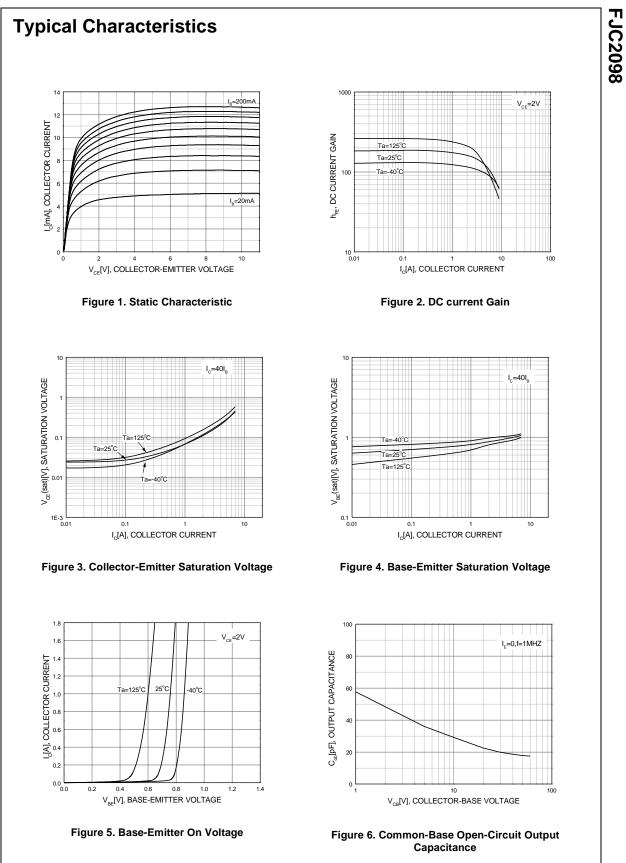
Electrical Characteristics $T_{C}=25^{\circ}C$ unless otherwise noted

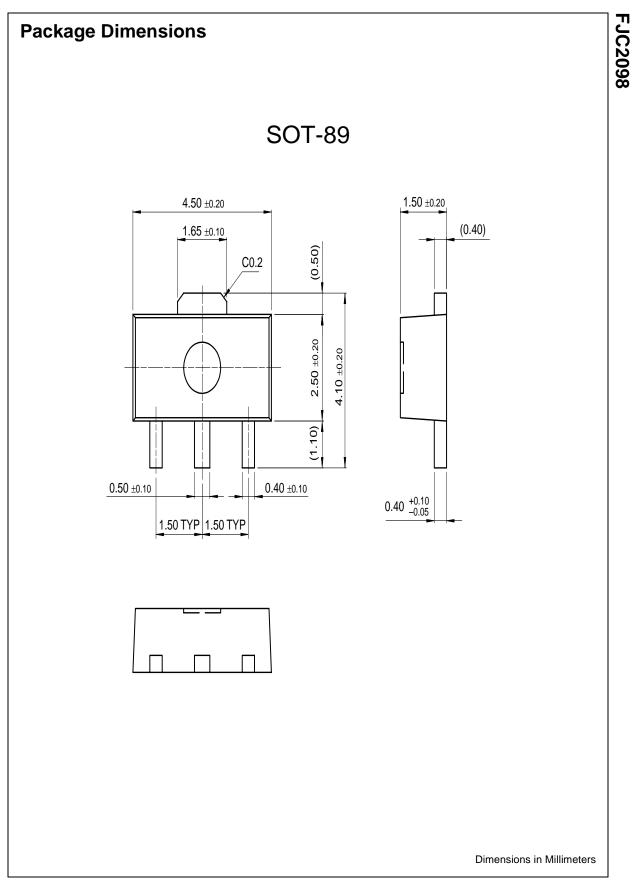
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	I _C =50μA, I _E =0	50			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C =1mA, I _B =0	20			V
ΒV _{EBO}	Emitter-Base Breakdown Voltage	I _E =50μA, I _C =0	6			V
I _{CEO}	Collector Cut-off Current	V _{CE} =40V, V _B =0			0.5	μΑ
I _{EBO}	Emitter Cut-off Current	V _{EB} =5V, I _C =0			0.5	μΑ
h _{FE}	DC Current Gain	V _{CE} =2V, I _C =0.5A	120		390	
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =4, I _B =0.1A			1.0	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C =4, I _B =0.1A			1.2	V
C _{OB}	Collector Output Capacitance	V _{CB} =20V, I _E =0, f=1MHz		23		pF

h_{FE} Classification

Classification	Q	R	
h _{FE}	120 ~ 270	180 ~ 390	







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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.

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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.
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