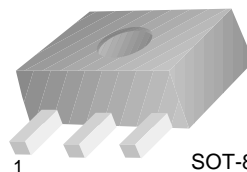


FJC790

FJC790

Camera Strobe Flash Application

- Complement to FJC690
- High Collector Current
- Low Collector-Emitter Saturation Voltage



SOT-89
Marking: F79

1. Base 2. Collector 3. Emitter

PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings $T_a=25^\circ\text{C}$ unless otherwise noted

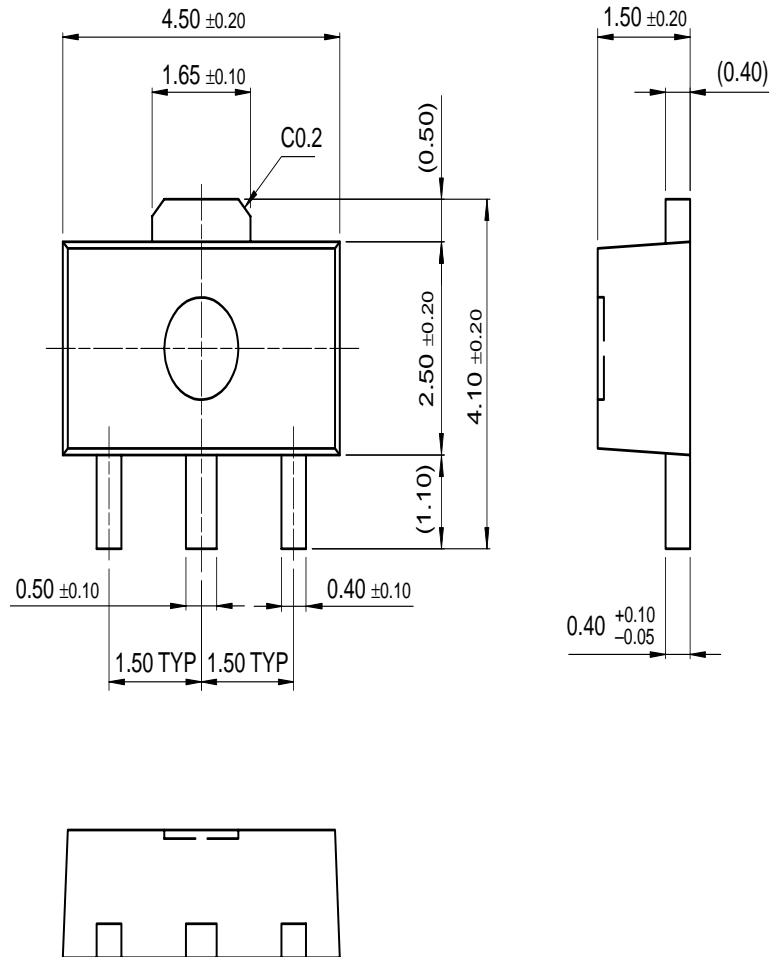
Symbol	Parameter	Value	Units
V_{CBO}	Collector-Base Voltage	-50	V
V_{CEO}	Collector-Emitter Voltage	-40	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Collector Current (DC)	-2	A
P_C	Power Dissipation	0.5	W
T_J	Junction Temperature	150	$^\circ\text{C}$
T_{STG}	Storage Temperature	- 55 ~ 150	$^\circ\text{C}$

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

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Units
BV_{CBO}	Collector-Base Breakdown Voltage	$I_C = -100\mu\text{A}$, $I_E = 0$	-50			V
BV_{CEO}	Collector-Emitter Breakdown Voltage	$I_C = -10\text{mA}$, $I_B = 0$	-40			V
BV_{EBO}	Emitter-Base Breakdown Voltage	$I_E = -100\mu\text{A}$, $I_C = 0$	-5			V
I_{CEO}	Collector Cut-off Current	$V_{CE} = -35\text{V}$, $V_B = 0$			-0.1	μA
I_{EBO}	Emitter Cut-off Current	$V_{EB} = -4\text{V}$, $I_C = 0$			-0.1	μA
h_{FE}	DC Current Gain	$V_{CE} = -2\text{V}$, $I_C = -10\text{mA}$ $V_{CE} = -2\text{V}$, $I_C = -500\text{mA}$ $V_{CE} = -2\text{V}$, $I_C = -1\text{mA}$ $V_{CE} = -2\text{V}$, $I_C = -2\text{mA}$	300 250 200 150		800	
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage	$I_C = -0.5\text{A}$, $I_B = -5\text{mA}$ $I_C = -1\text{A}$, $I_B = -10\text{mA}$ $I_C = -2\text{A}$, $I_B = -50\text{mA}$			-250 -350 -450	mV mV mV
$V_{BE(sat)}$	Base-Emitter Saturation Voltage	$I_C = -1\text{A}$, $I_B = -10\text{mA}$			-0.9	V
$V_{BE(on)}$	Base-Emitter On Voltage	$V_{CE} = -2\text{V}$, $I_C = 1\text{A}$			-0.8	V
C_{OB}	Collector Output Capacitance	$V_{CB} = -10\text{V}$, $I_E = 0$, $f = 1\text{MHz}$		20		pF

Package Dimensions

SOT-89



Dimensions in Millimeters

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