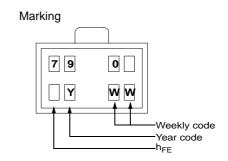


FJC790 PNP Epitaxial Silicon Transistor

Camera Strobe Flash Application

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





Absolute Maximum Ratings T_a = 25°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	°C
T _{STG}	Storage Temperature	- 55 ~ 150	°C

Electrical Characteristics T_a = 25°C unless otherwise noted

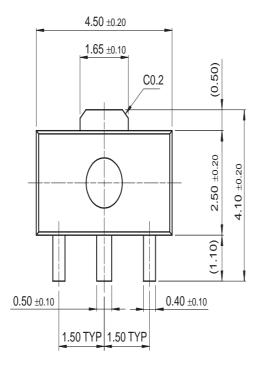
Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Units
BV _{CBO}	Collector-Base Breakdown Voltage	$I_C = -100 \mu A, I_E = 0$	-50			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA, I _B = 0	-40			V
BV _{EBO}	Emitter-Base Breakdown Voltage	$I_E = -100 \mu A, I_C = 0$	-5			V
I _{CEO}	Collector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

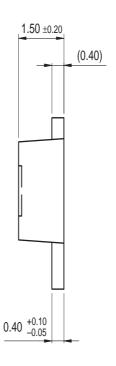
Package Marking and Ordering Information

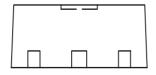
Device Marking	Device	Package	Reel Size	Tape Width	Quantity
790	FJC790	SOT-89	13"		4,000

Mechanical Dimensions

SOT-89







Dimensions in Millimeters

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E ² CMOS™	i-Lo™	OCX™	μSerDes™	VCX™
EnSigna™	ImpliedDisconnect™	OCXPro™	SILENT SWITCHER®	Wire™
FACT™	IntelliMAX™	OPTOLOGIC [®]	SMART START™	
FACT Quiet Series™		OPTOPLANAR™	SPM™	
A 4l l A	- d 4l d d TM	PACMAN™	Stealth™	
Across the board. Around the world.™		POP™	SuperFET™	
The Power Franchise®		Power247™	SuperSOT™-3	
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SuperSOT™-6

PRODUCT STATUS DEFINITIONS

Definition of Terms

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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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