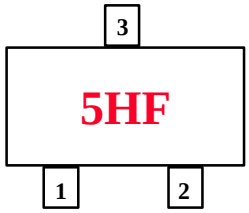
FAIRCHILD SEMICONDUCTOR™

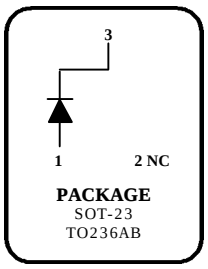
MMBD701

PACKAGE

SOT-23
TO-236AB (Low)



CONNECTION DIAGRAM



Schottky Barrier Diode

Sourced from Process GE

Absolute Maximum Ratings* TA = 25°C unless otherwise noted

Sym	Parameter	Value	Units
T_{stg}	Storage Temperature	-55 to +150	°C
T_J	Operating Junction Temperature	-55 to +125	°C
W_{iv}	Working Inverse Voltage	35	V
P_F	Forward Power Dissipation @ T_A = 25°C	200	mW
	Derate above 25°C	2.0	Mw/°C

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired

ADVANCED INFORMATION ONLY
NOT IN PRODUCTION

Electrical Characteristics TA = 25°C unless otherwise noted

SYM	CHARACTERISTICS	MIN	MAX	UNITS	TEST CONDITIONS
B_V	Breakdown Voltage	70		V	I_R = 10 uA
I_R	Reverse Leakage		200	nA	V_R = 35 V
V_F	Forward Voltage		500 1.0	mV V	I_F = 1.0 mA I_F = 10 mA
C_T	Capacitance		1.0	pF	V_R = 20 V f = 1.0 MHz

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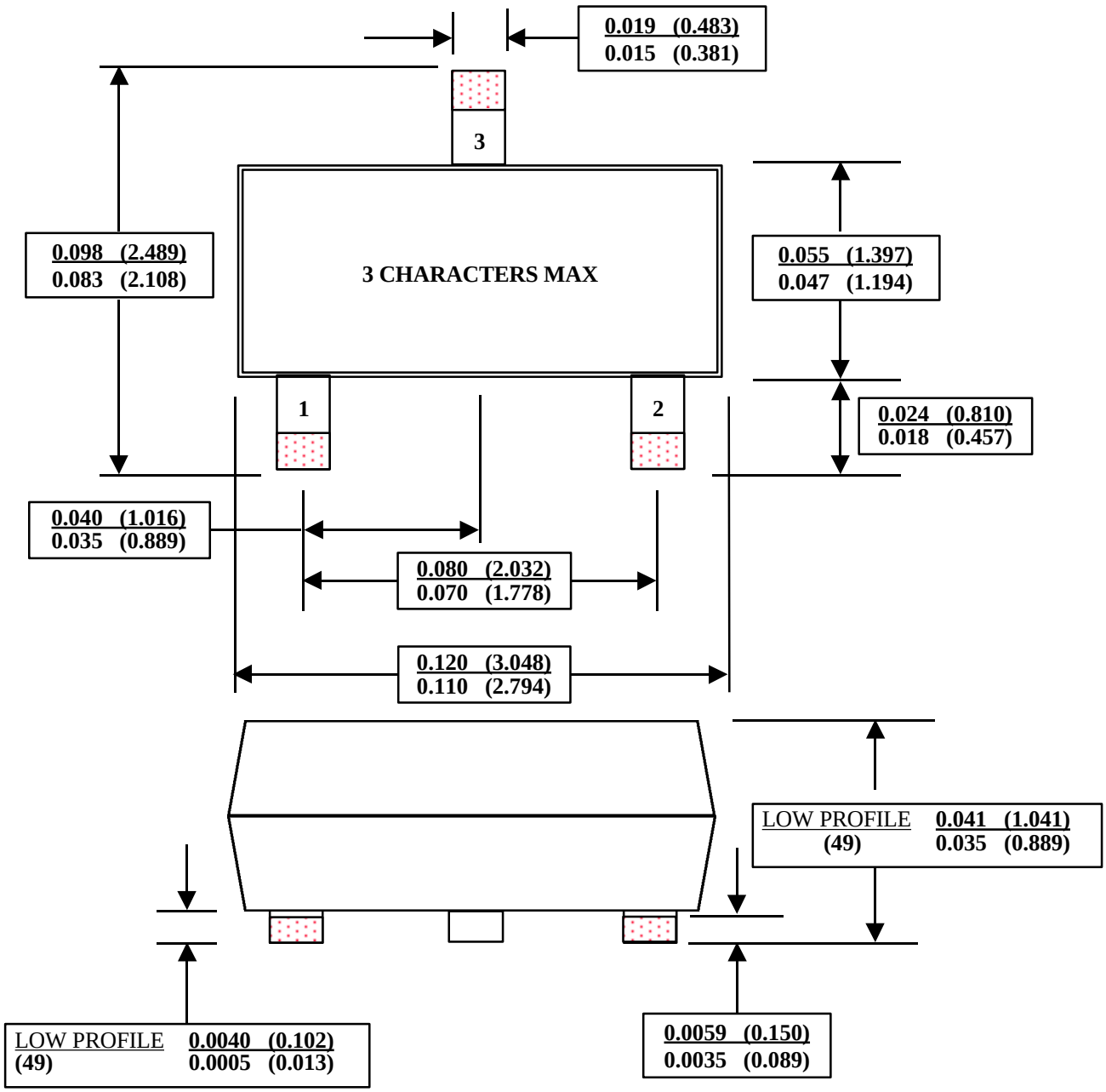

SOT-23

TO-236AB (LOW PROFILE)

22-August-1994

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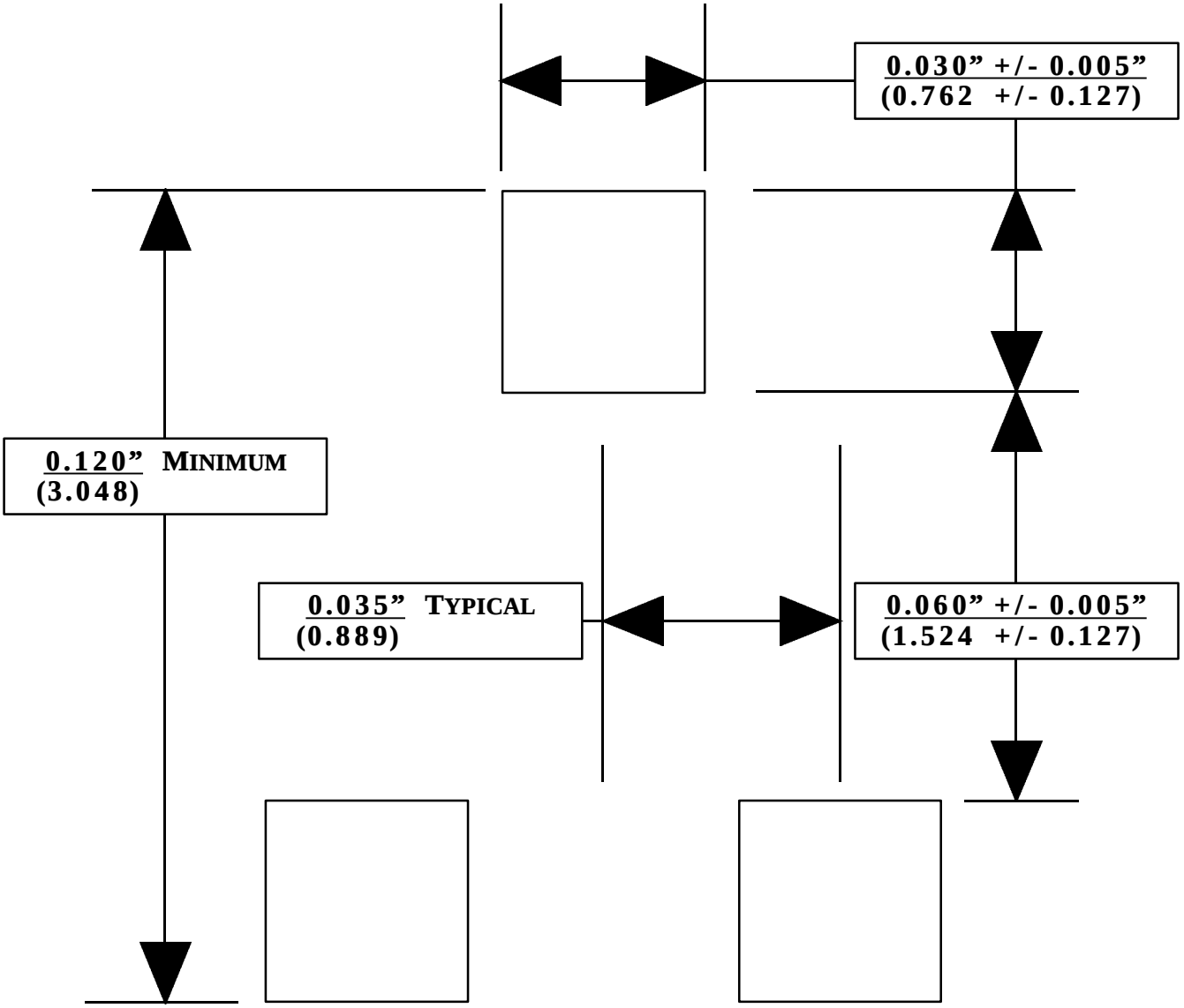
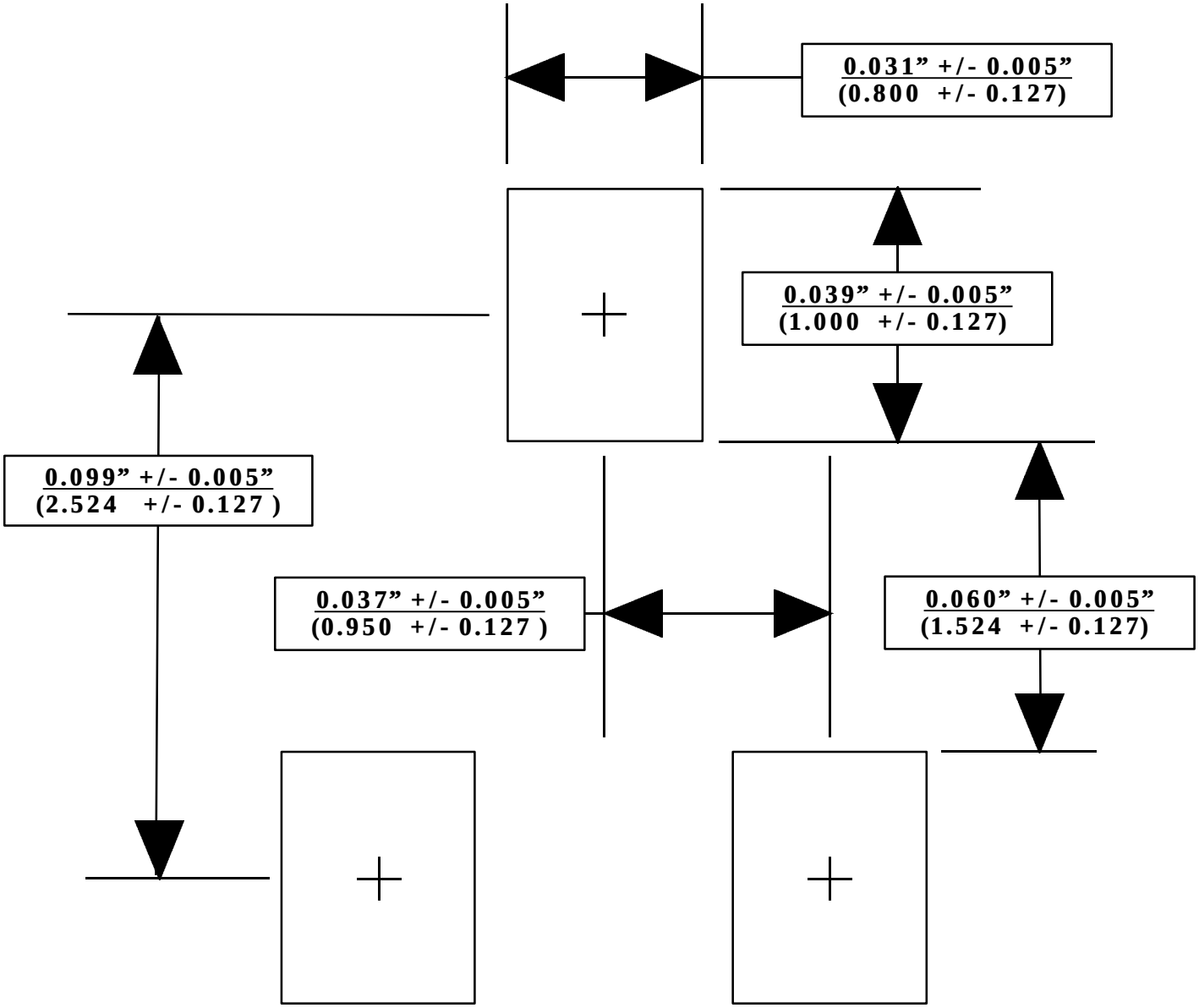


RECOMMENDED SOLDER PADS FOR SOT-23

FAIRCHILD
SEMICONDUCTOR™



RECOMMENDED SOLDER PADS
FOR
U.S. & European SOT-23
&
Japanese SC-59

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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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