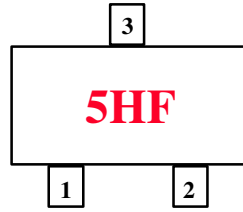
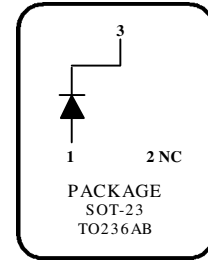


# MMBD701

**PACKAGE**  
SOT-23  
TO-236AB (Low)



## CONNECTION DIAGRAM



## Schottky Barrier Diode

Sourced from Process GE

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

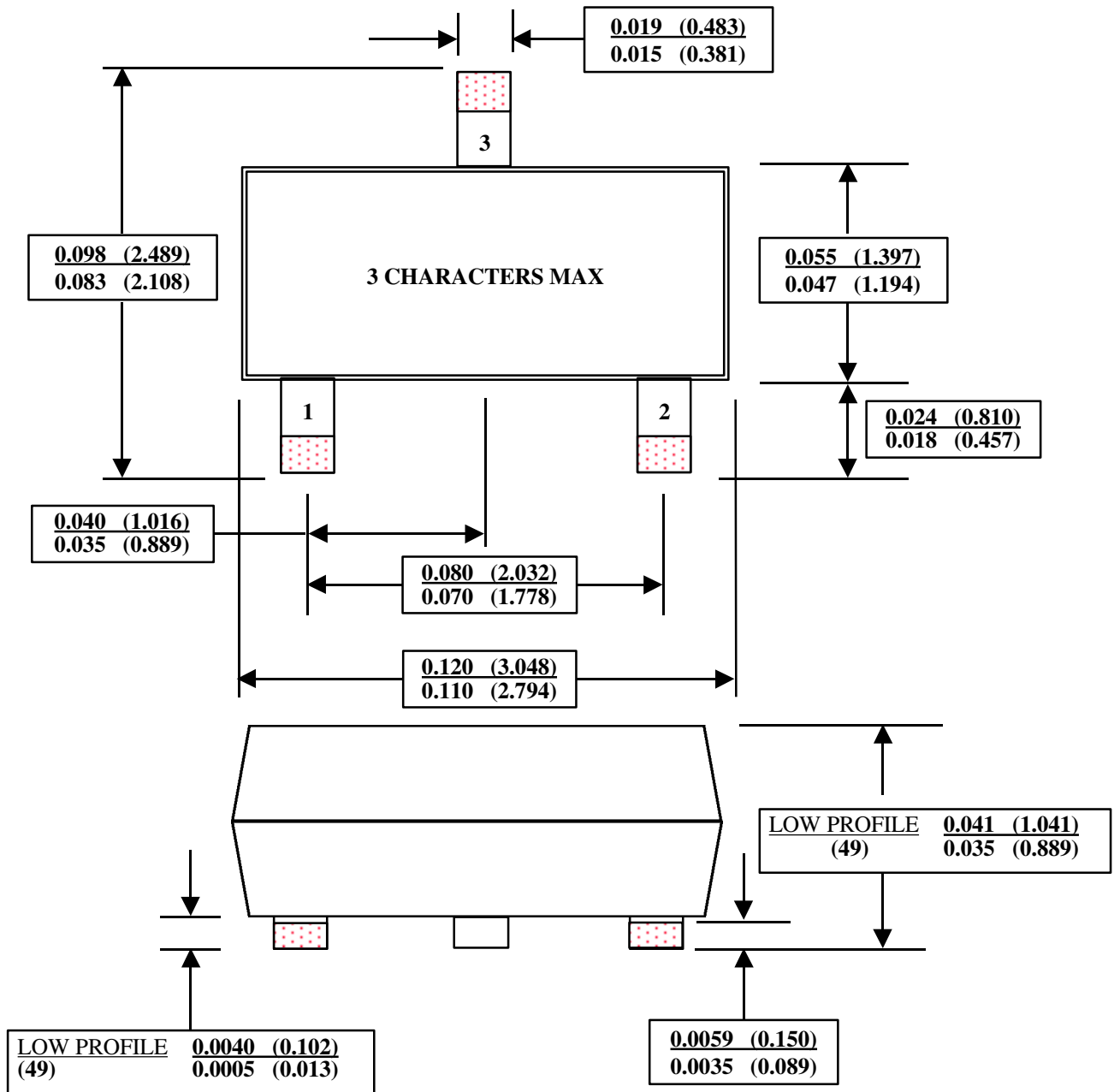
Sym	Parameter	Value	Units
T <sub>stg</sub>	Storage Temperature	-55 to +150	°C
T <sub>J</sub>	Operating Junction Temperature	-55 to +125	°C
W <sub>IV</sub>	Working Inverse Voltage	35	V
P <sub>F</sub>	Forward Power Dissipation @ T <sub>A</sub> = 25°C	200	mW
	Derate above 25°C	2.0	Mw/°C

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

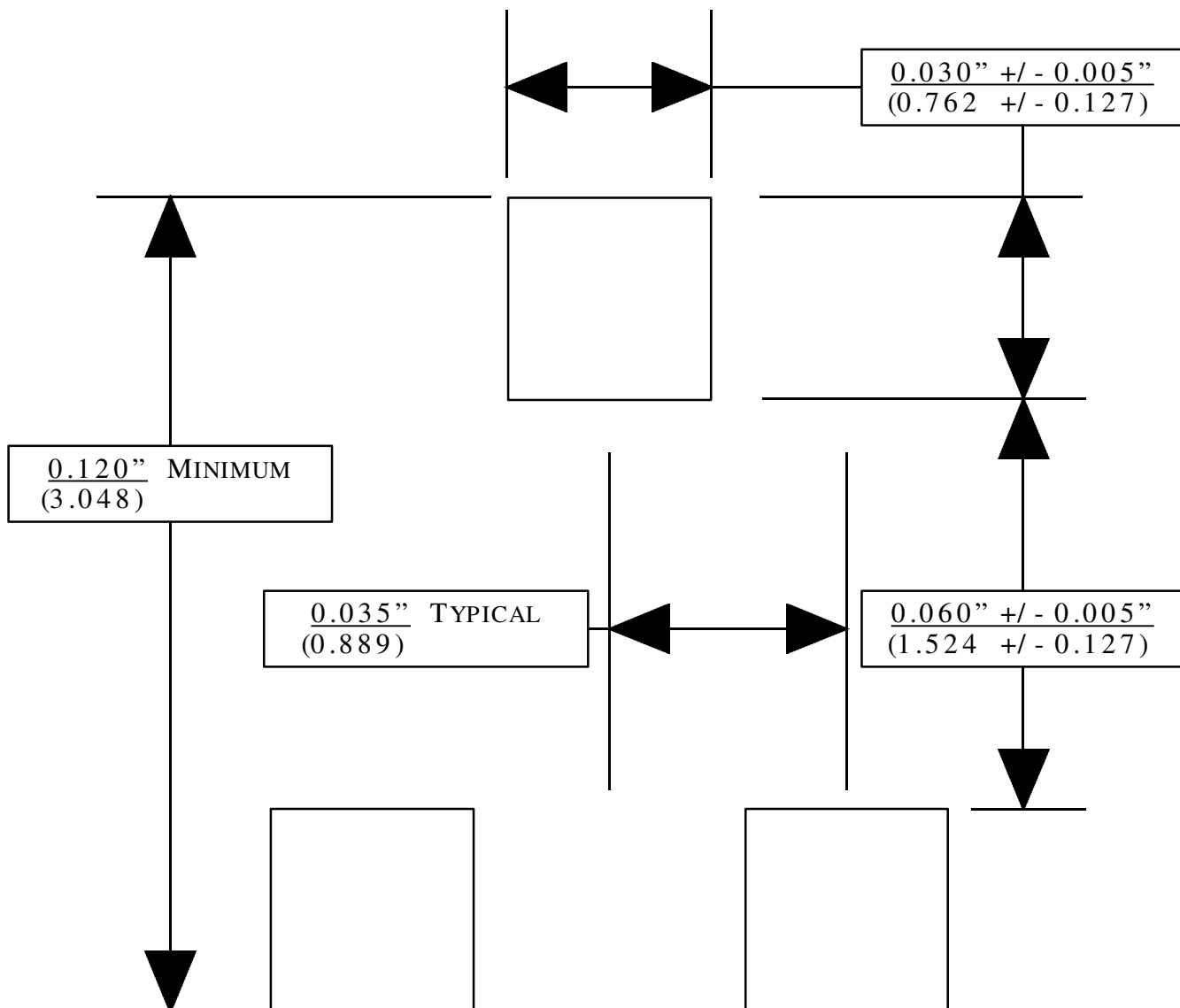
### ADVANCED INFORMATION ONLY NOT IN PRODUCTION

### Electrical Characteristics TA = 25°C unless otherwise noted

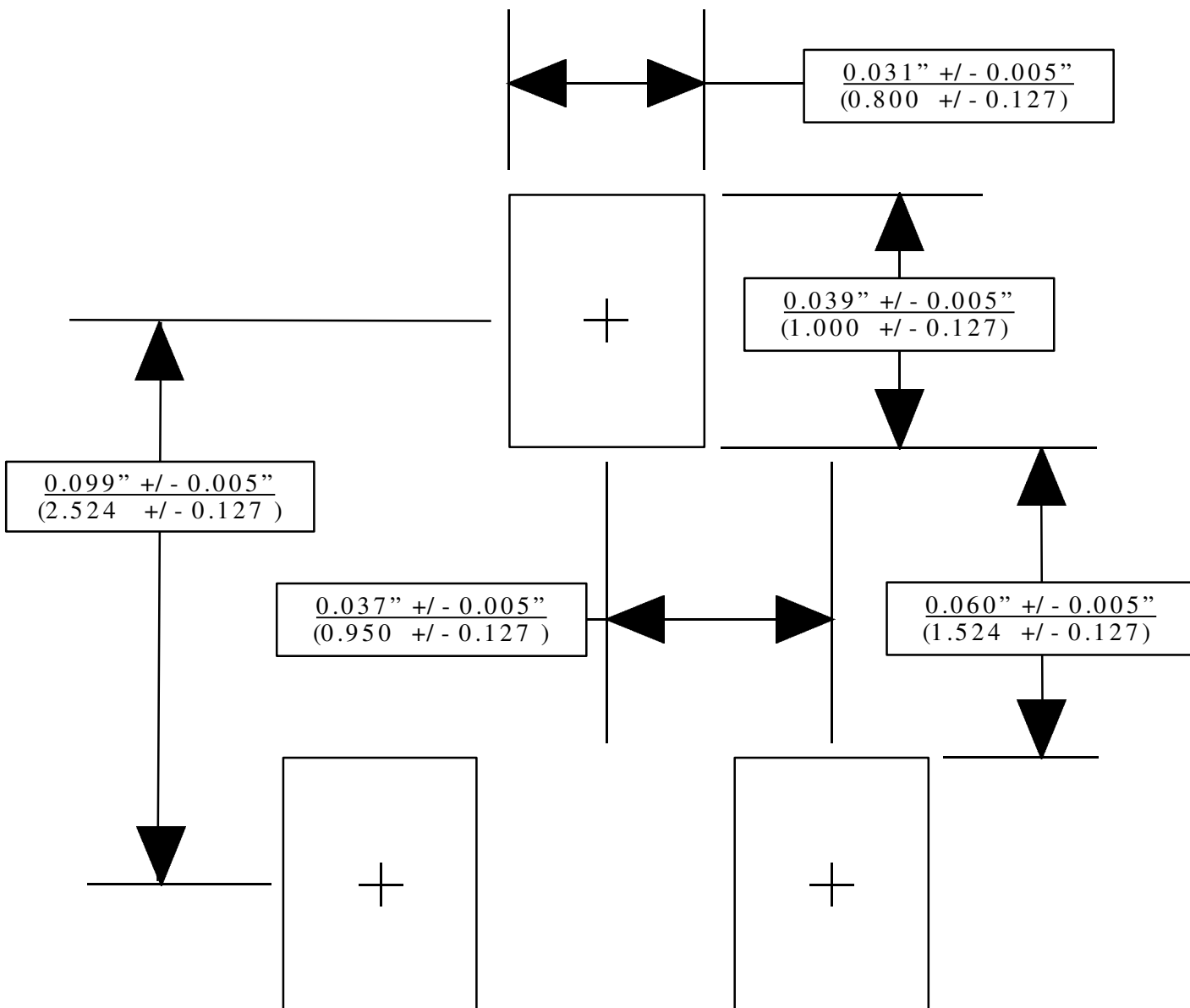
SYM	CHARACTERISTICS	MIN	MAX	UNITS	TEST CONDITIONS
B <sub>V</sub>	Breakdown Voltage	70		V	I <sub>R</sub> = 10 µA
I <sub>R</sub>	Reverse Leakage		200	nA	V <sub>R</sub> = 35 V
V <sub>F</sub>	Forward Voltage		500 1.0	mV V	I <sub>F</sub> = 1.0 mA I <sub>F</sub> = 10 mA
C <sub>T</sub>	Capacitance		1.0	pF	V <sub>R</sub> = 20 V f = 1.0 MHz



**SOT-23**  
**TO-236AB (LOW PROFILE)**  
22-August-1994



**RECOMMENDED SOLDER PADS  
FOR  
SOT-23**



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

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EnSigna <sup>TM</sup>	MicroFET <sup>TM</sup>	SILENT SWITCHER <sup>®</sup>	
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### Definition of Terms

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