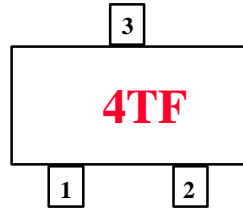
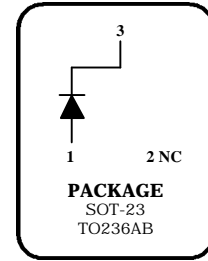


MMBD301

PACKAGE
SOT-23
TO-236AB (Low)



CONNECTION DIAGRAM



Schottky Barrier Diode

Sourced from Process GD

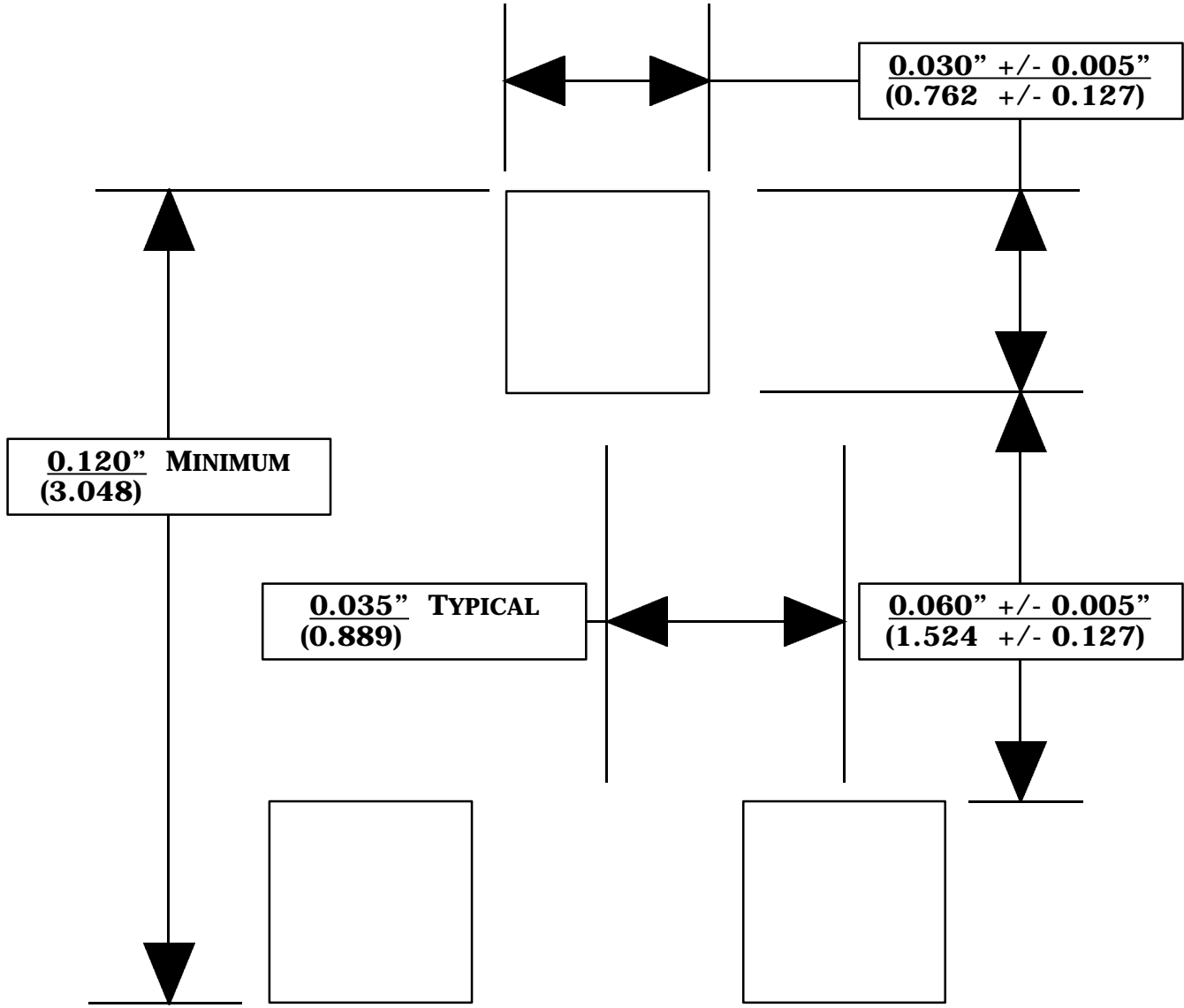
Absolute Maximum Ratings* TA = 25°C unless otherwise noted

| 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 | 30 | V |
| P_F | Forward Power Dissipation @ $T_A = 25^\circ\text{C}$ Derate above 25°C | 200 2.0 | mW mW/°C |

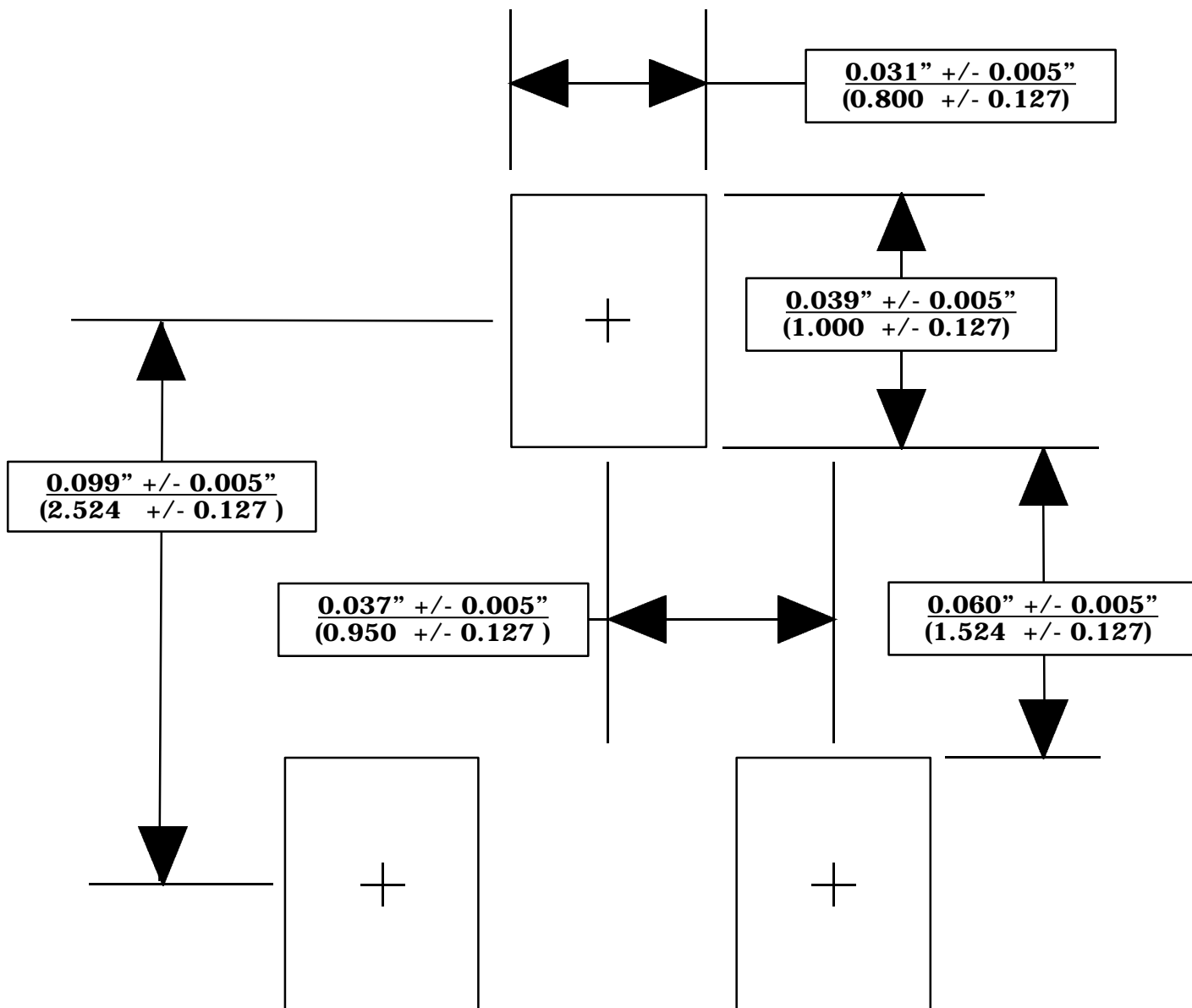
*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired

Electrical Characteristics TA = 25°C unless otherwise noted

| SYM | CHARACTERISTICS | MIN | MAX | UNITS | TEST CONDITIONS |
|-------|-------------------|-----|------------|----------|---|
| B_V | Breakdown Voltage | 30 | | V | $I_R = 10 \mu\text{A}$ |
| I_R | Reverse Leakage | | 200 | nA | $V_R = 25 \text{ V}$ |
| V_F | Forward Voltage | | 450 600 | mV mV | $I_F = 1.0 \text{ mA}$ $I_F = 10 \text{ mA}$ |
| C_T | Capacitance | | 1.5 | pF | $V_R = 15 \text{ V}$ $f = 1.0 \text{ MHz}$ |



**RECOMMENDED SOLDER PADS
FOR
SOT-23**



**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.

PRODUCT STATUS DEFINITIONS

Definition of Terms

| Datasheet Identification | Product Status | Definition |
|--------------------------|------------------------|---|
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