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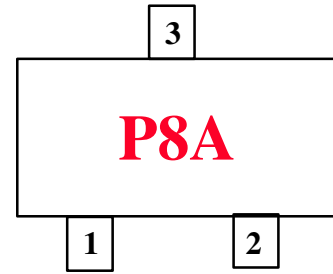
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FLLD261

HIGH CONDUCTANCE LOW LEAKAGE DIODE

Pd350 mW @ TA = 25 Deg C
Bv200 V (MIN) @ IR = 5 uA

PACKAGE
TO-236AB (Low)



ABSOLUTE MAXIMUM RATINGS (NOTE 1)

TEMPERATURES

Storage Temperature -55 to +150 Degrees C
Operating Junction Temperature -55 to +150 Degrees C

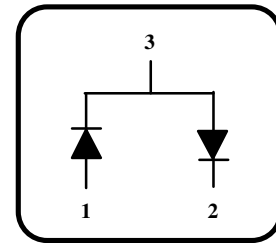
POWER DISSIPATION (NOTES 2 & 3)

Total Device Dissipation at TA = 25 Deg C 350 mW
Derating Factor per Degree C 2.8 mW

VOLTAGES & CURRENTS

WIV	Working Inverse Voltage	100 V
IO	Average Rectified Current	250 mA
IF	DC Forward Current	600 mA
if	Recurrent Peak Forward Current	700 mA
if (surge)	Peak Forward Surge Current	
	Pulse width = 1 second	1.0 A
	Pulse width = 1 microsec	3.0 A

CONNECTION DIAGRAMS

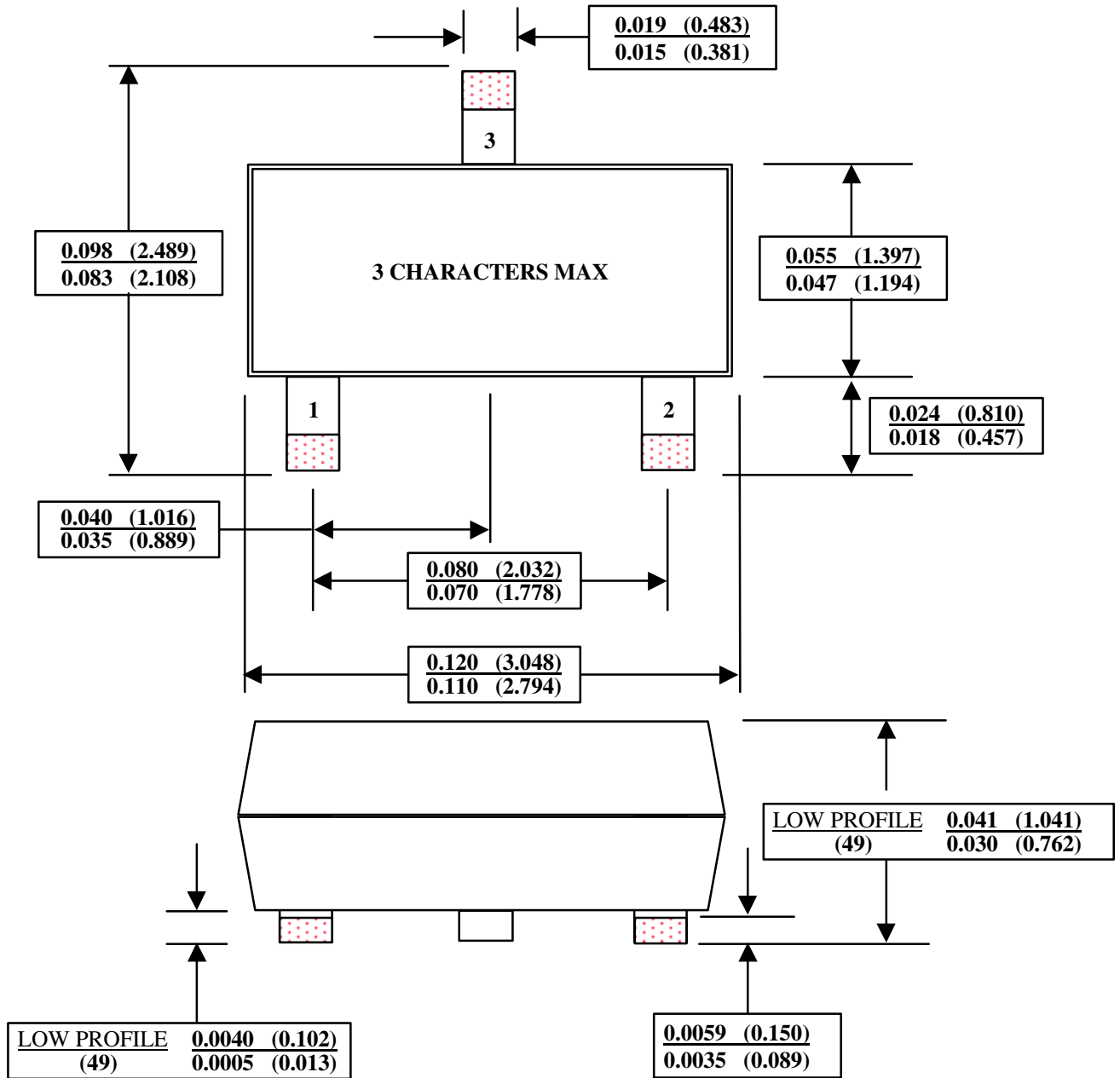


ELECTRICAL CHARACTERISTICS (25 Degrees C Ambient Temperature unless otherwise stated)

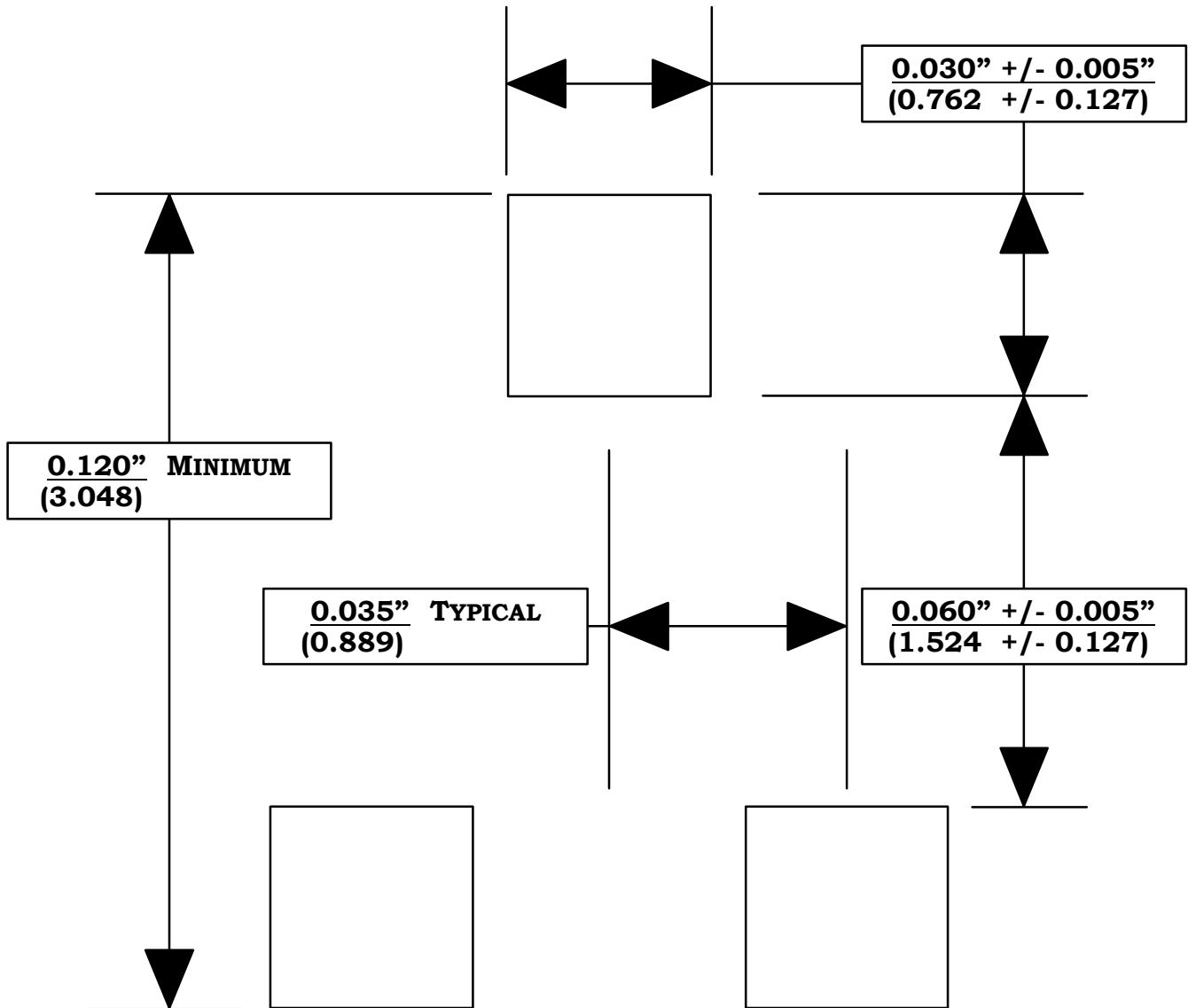
SYM	CHARACTERISTICS	MIN	MAX	UNITS	TEST CONDITIONS
Bv	Breakdown Voltage	200		V	IR = 5.0 uA
IR	Reverse Voltage Leakage Current		5.0 5.0	nA uA	VR = 100 V VR = 100 V TA = 150 Deg C
VF	Forward Voltage		1.40	V	IF = 200 mA
CT	Diode Capacitance		4.0	pF	VR = 1.0 V f = 1.0 MHz
TRR	Reverse Recovery Time		400	ns	IF = IR = 50 to 400 mA IRR = 10% IR RL = 100 ohms
TFR	Forward Recovery Time		10	ns	IF = 10 mA
VFM	Peak Forward Voltage		0.9 Typ	V	IF = 10 mA Rise Time = 5 ns +/-20%

NOTES:

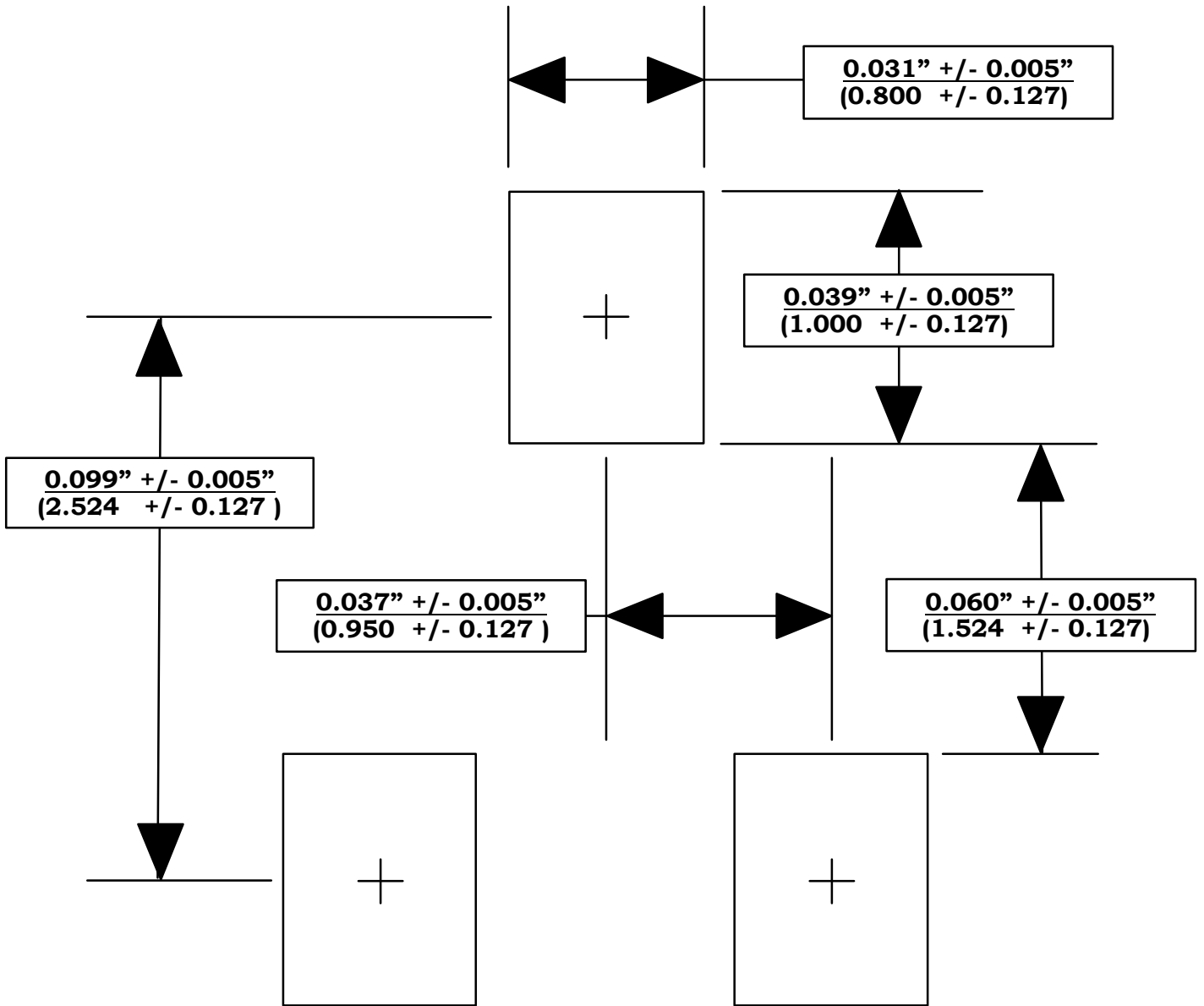
1. These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.
2. These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.



SOT-23 (DIODE)
TO-236AB (LOW PROFILE)
11-March-1997



**RECOMMENDED SOLDER PADS
FOR
SOT-23**



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

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