

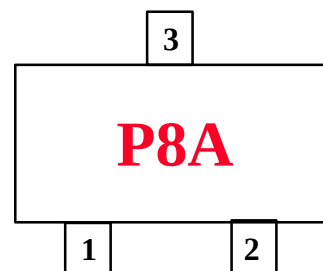
FLLD261

HIGH CONDUCTANCE LOW LEAKAGE DIODE

Pd ... 350 mW @ TA = 25 Deg C

Bv ... 200 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

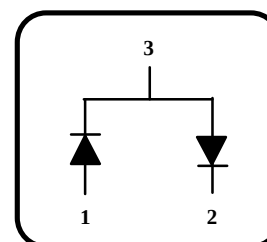
IO Average Rectified Current 250 mA

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

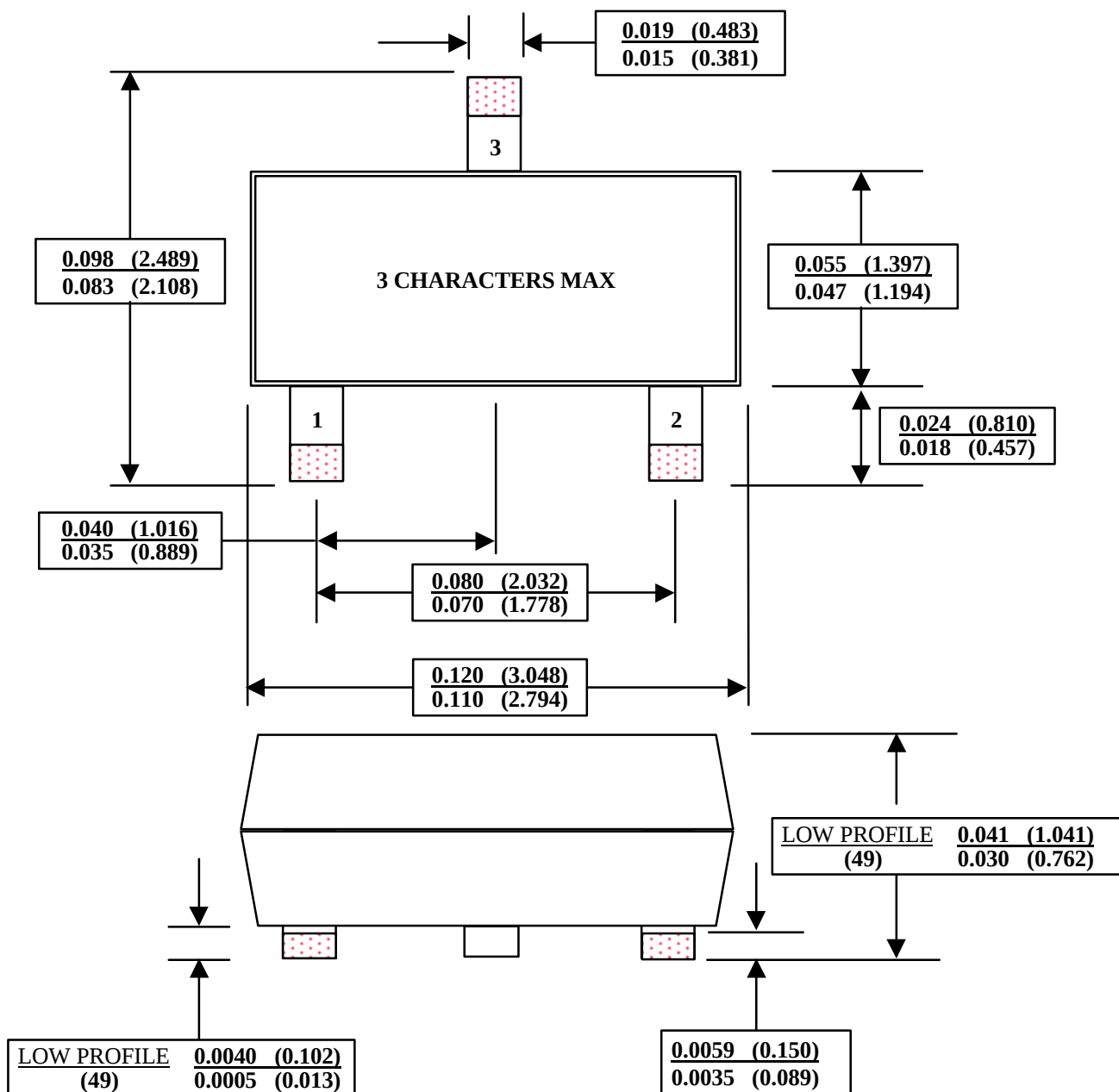


ELECTRICAL CHARACTERISTICS (25 Degrees C Ambient Temperature unless otherwise stated)

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:

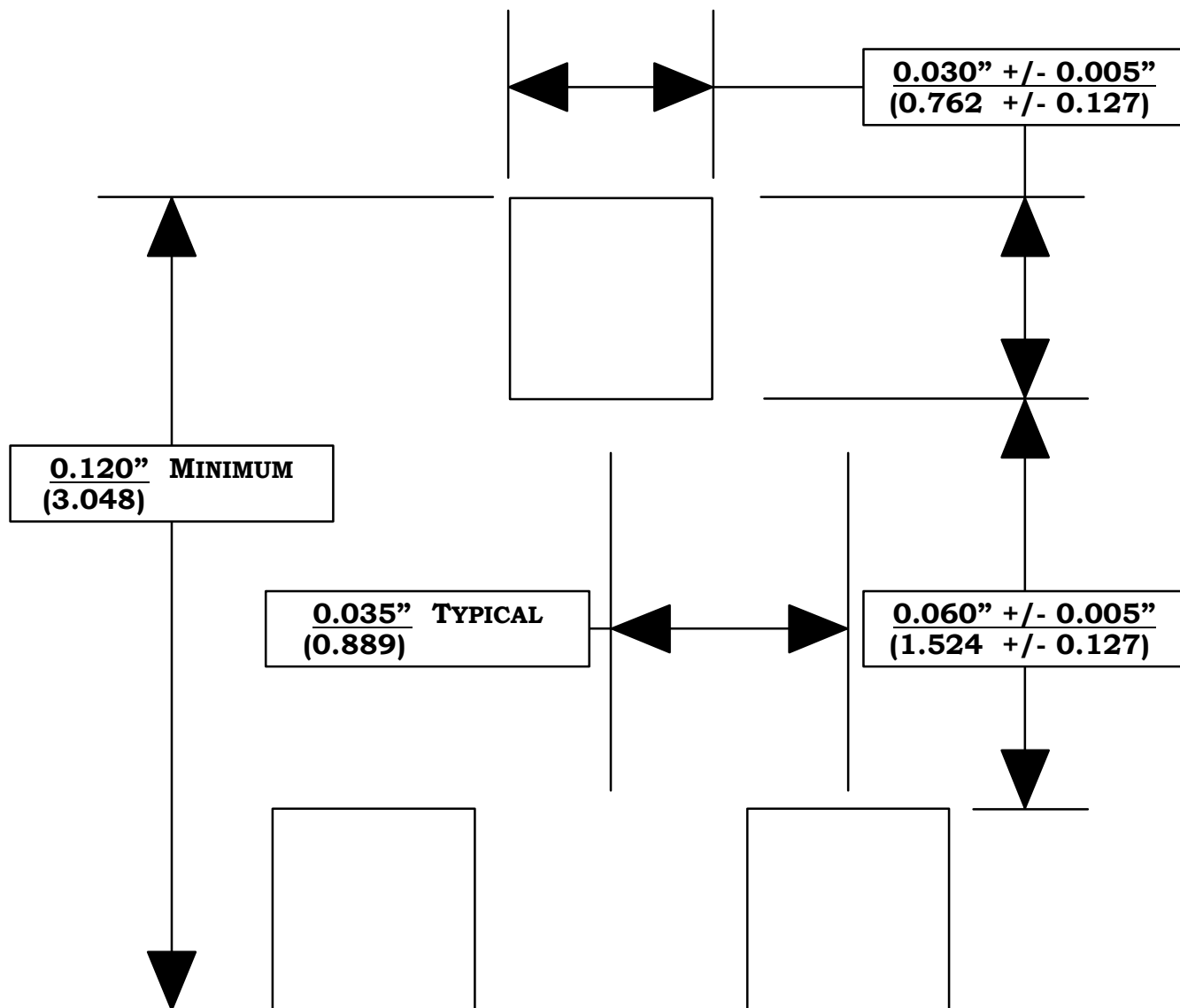
- These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.
- These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.



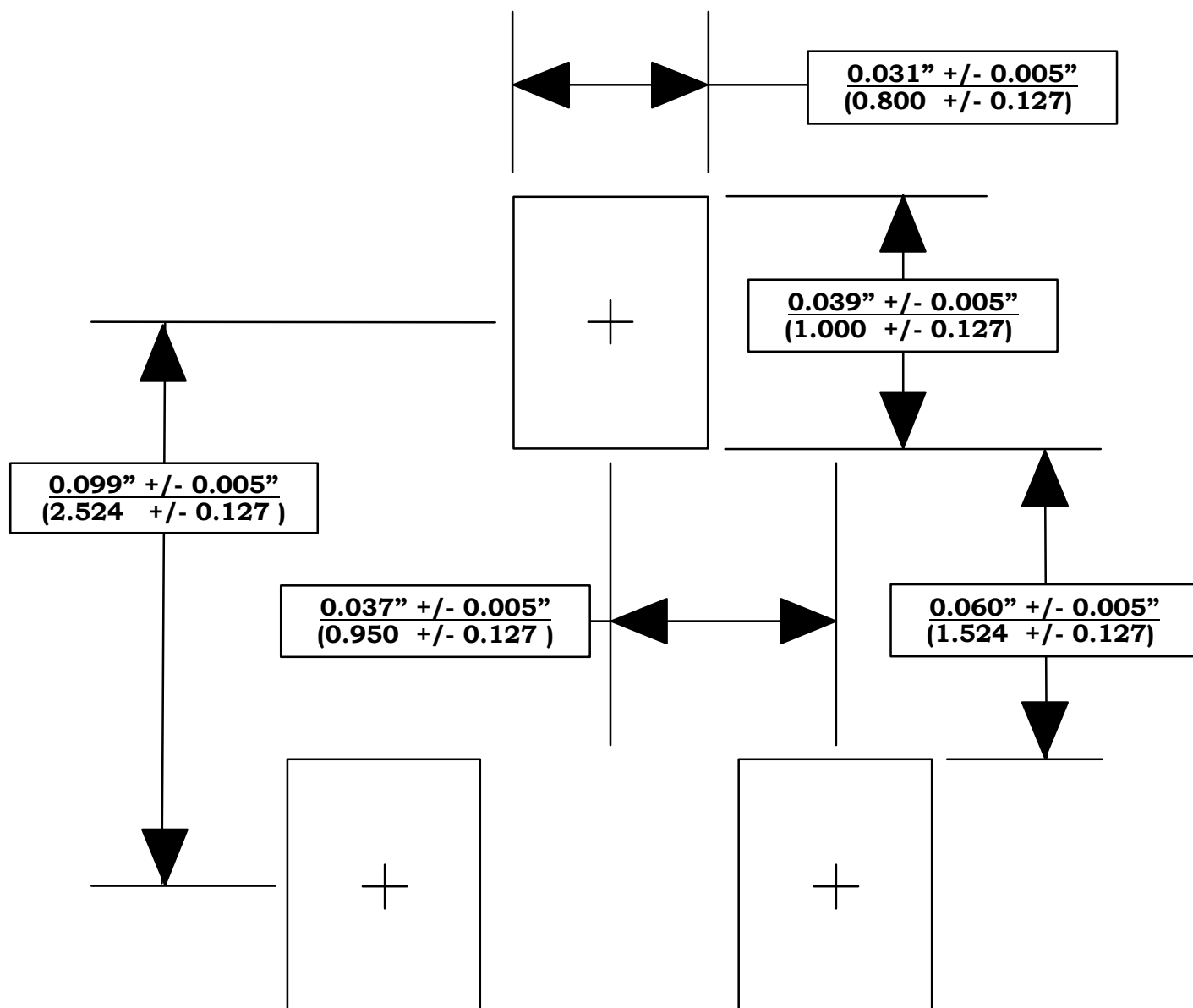
SOT-23 (DIODE)

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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