

NEW
MODEL
4020-11M
MICROWAVE PIN DIODE SP2T
SWITCH DRIVER

T-52-13-90

Reverse Voltage Protection
 30 MHz Repetition Rate
 TTL Control Port Protection
 Test Port Short Circuit Protection

Guaranteed Specifications*

(From -54°C to +85°C)

Output Current	±10 mA Min
Peak Output Current	±200 mA Min
Open Circuit Output Voltage	±3.5 Vdc Min
Internal Current Drain	+15 mA Max - 8 mA Max
Repetition Rate	30 MHz Max

Operating Characteristics

Switching Characteristics**

T_{on}	8 nsec Max
T_{off}	7 nsec Max

Mode Control

Logic "1"	Channel Non-Inverting
Logic "0"	Channel Inverting

TTL Control Port 1 Unit Load Max

Operating Voltage +5 Vdc @ 15 mA
 -5 to -15 Vdc @ 8 mA

Package Type*** Module (FP-34)
 (See page 479 for dimensions.)

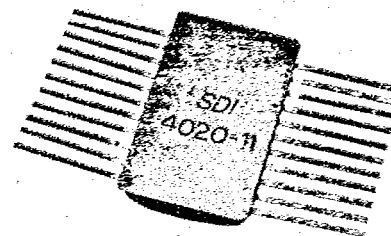
Environmental

All units are designed to meet the environmental and screening requirements of Table 1B, page 497 of this catalog.

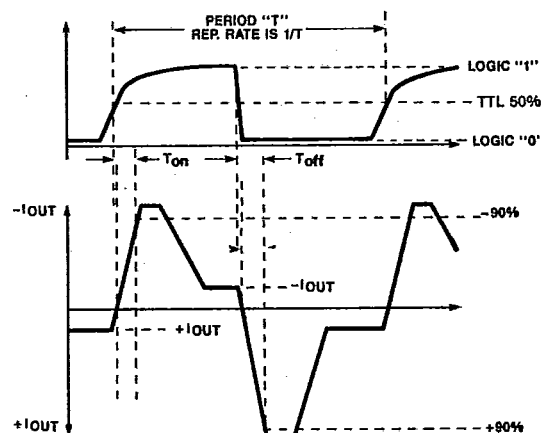
*Measured at a 1 MHz repetition rate into a 10 Ohm resistive load.

**Measured at 1 MHz Rep. Rate into opposite polarity in 4148 diodes.

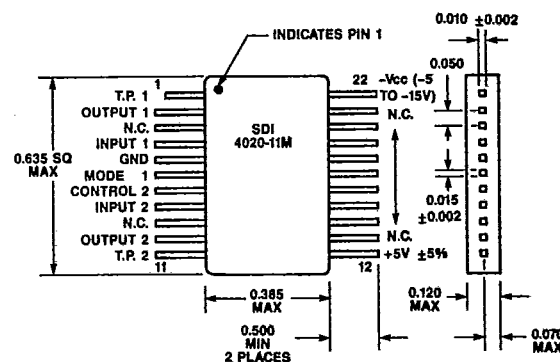
***Hermetic



Output Waveform



Pin Configuration



NOTES:

1. INPUTS ARE NON INV WHEN MODE CONTROL IS AT LOGIC "1"
2. INPUTS ARE INV. WHEN MODE CONTROL IS AT LOGIC "0"
3. INDICATES NO SILVER OVERLAY
4. "U" INDICATES UNSCREENED UNIT.

Ordering Information

Model No.	Connectors	Unit Price (1-9 Units)
4020-11M	PIN	\$109

Delivery is from stock.



Make the Connection...

11 Executive Park Drive, Billerica, MA 01862 Fax (508) 667-4156

Adams Russell
 COMPONENTS GROUP

For Technical Information, Call (508) 667-7700

For Ordering Information, Call (617) 273-3333

UNLESS OTHERWISE NOTED:

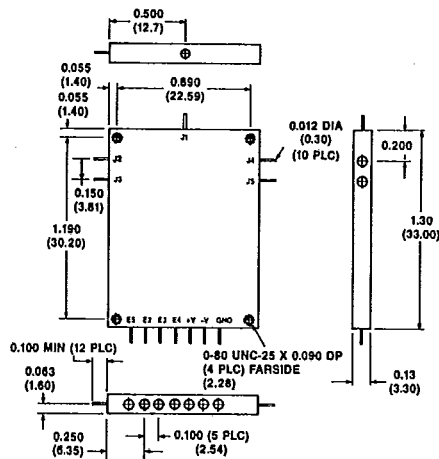
.XXX = ± 0.010 , .XX = ± 0.020 (X = ± 0.3), (XX = ± 0.5)

DIMENSIONS IN () ARE IN MM.

MECHANICAL DATA

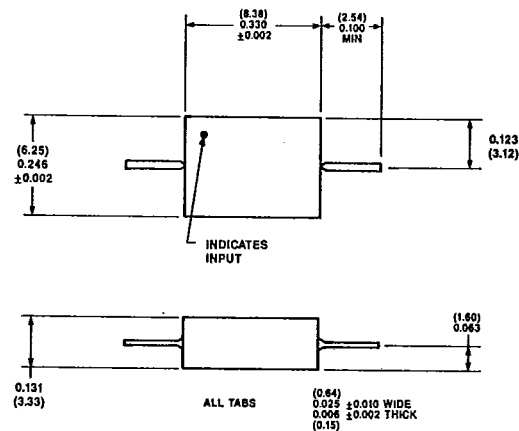
T-90-20

FP-30



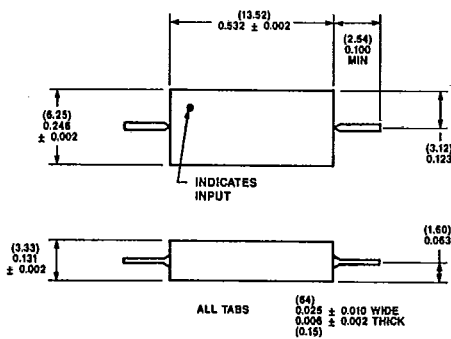
WEIGHT (APPROX.): 2 OUNCES 50 GRAMS

FP-31



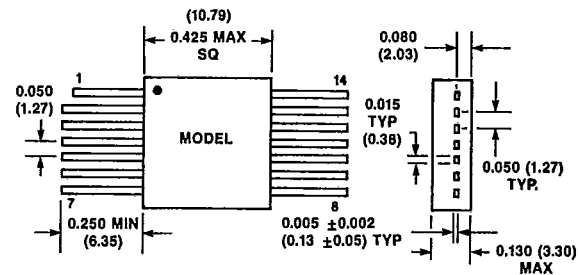
WEIGHT (APPROX.): 0.54 OUNCES 15 GRAMS

FP-32



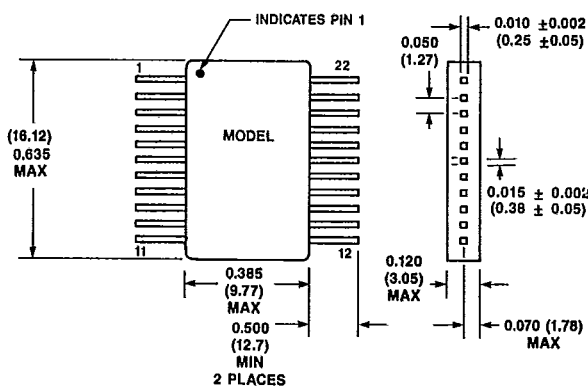
WEIGHT (APPROX.): 0.57 OUNCES 16 GRAMS

FP-33



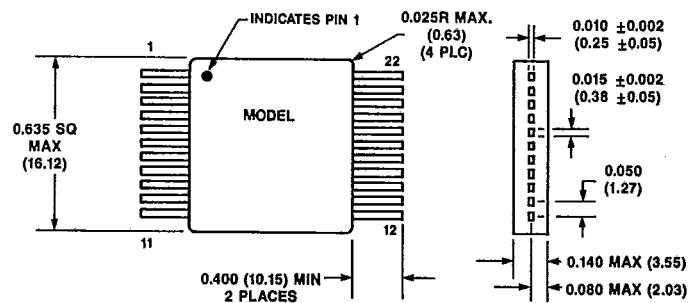
WEIGHT (APPROX.): 1.02 OUNCES 29 GRAMS

FP-34



WEIGHT (APPROX.): 1.07 OUNCES 30 GRAMS

FP-35



WEIGHT (APPROX.): 1.08 OUNCES 31 GRAMS