

NEW

M/A-COM INC/ ANZAC DIV

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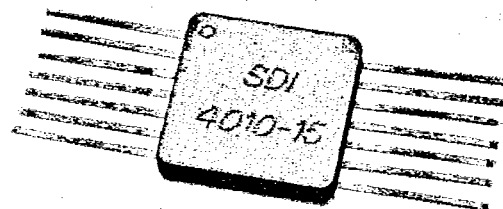


**MODEL
4010-15M**

**MICROWAVE PIN DIODE SPST
SWITCH DRIVER**

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

T-52-13-90



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	+18 mA Max - 6 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"	Driver Non-Inverting
Logic "0"	Driver Inverting

TTL Control Port

1 Unit Load Max

Operating Voltage

+5 Vdc @18 mA
-5 to -15 Vdc @ 6 mA

Package Type***

Module (FP-33)

(See page 479 for dimensions.)

Environmental

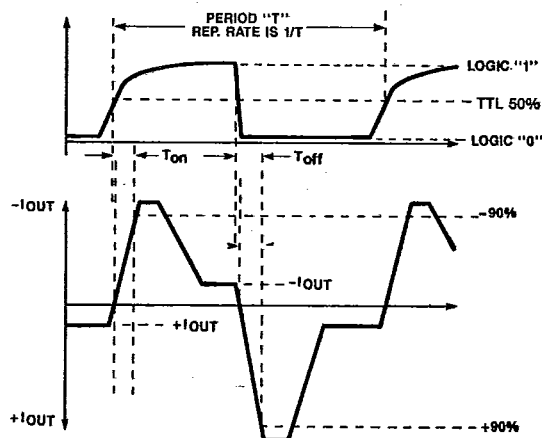
All units are designed to meet the environmental and screening requirements of Table 1B, page 497 of this catalog.

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

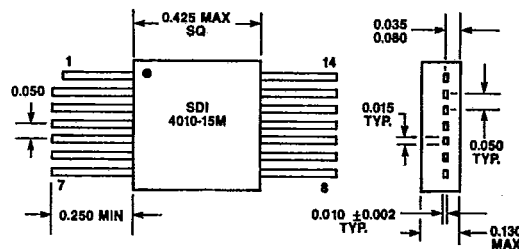
**Measured at 1 MHz Rep rate into opposite polarity in 4148 diodes.

***Hermetic

Output Waveform



Pin Configuration



PIN IDENTIFICATION

- 1 -5V TO -15V
- 2 OUTPUT
- 3 GROUND
- 4 N.C.
- 5 TTL - INPUT
- 6 MODE CONTROL
- 7 Vcc (+5V)
- 8-10 N.C.
- 11 TEST POINT
- 12-14 N.C.

NOTES:

- 1. INDICATES NO SILVER OVERLAY
- 2. MODE CONTROL "1"
- 3. MODE CONTROL "0"
- 4. INDICATES UNSCREENED UNIT

Ordering Information

Model No.	Connectors	Unit Price (1-9 Units)
4010-15M	PIN	\$89

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:

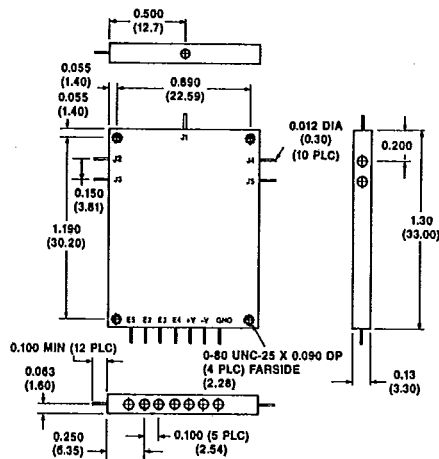
.XXX = ± 0.010 , .XX = ± 0.020 (X = ± 0.3), (XX = ± 0.5)

DIMENSIONS IN () ARE IN MM.

MECHANICAL DATA

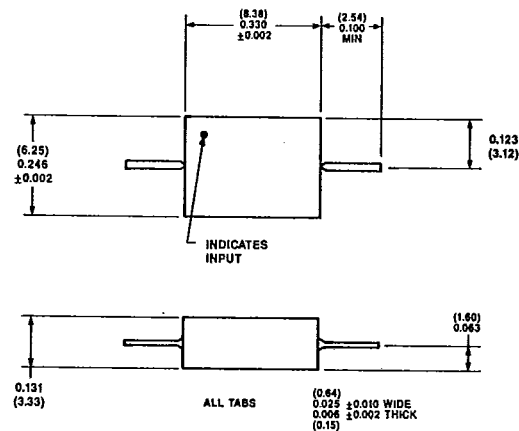
T-90-20

FP-30



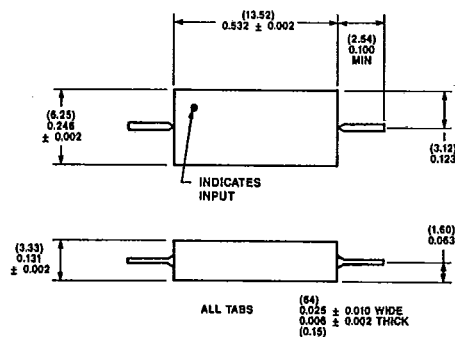
WEIGHT (APPROX.): 2 OUNCES 50 GRAMS

FP-31



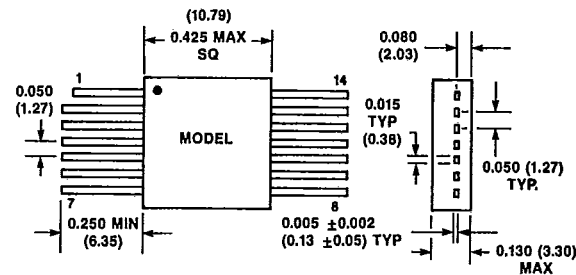
WEIGHT (APPROX.): 0.54 OUNCES 15 GRAMS

FP-32



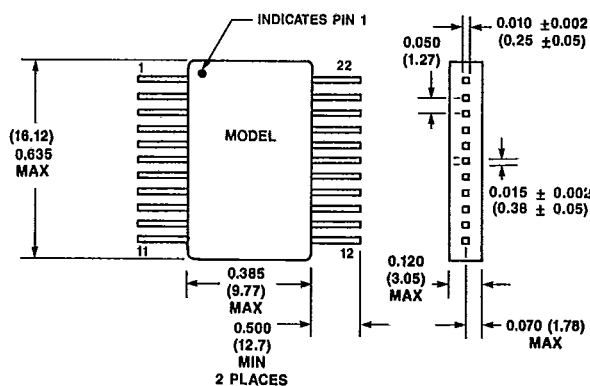
WEIGHT (APPROX.): 0.57 OUNCES 16 GRAMS

FP-33



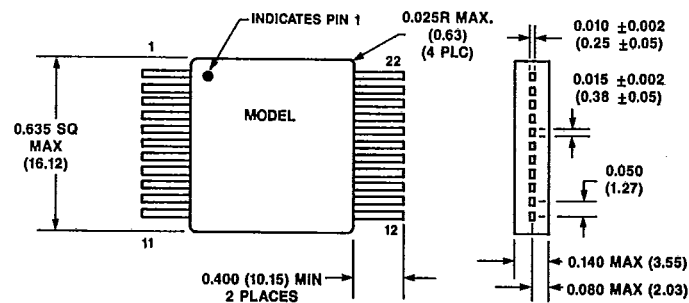
WEIGHT (APPROX.): 1.02 OUNCES 29 GRAMS

FP-34



WEIGHT (APPROX.): 1.07 OUNCES 30 GRAMS

FP-35



WEIGHT (APPROX.): 1.08 OUNCES 31 GRAMS