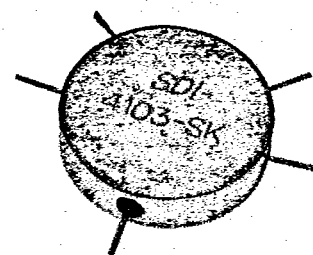


NEW
MODEL
4103-SK
SP4T REFLECTIVE SWITCH MODULE
WITHOUT DRIVER 2 - 18 GHz

2-18 GHz Frequency Coverage
 SDI Driver Compatible
 High Isolation
 Hermetic Package

T-51-11


Guaranteed Specifications*

(From -54°C to +85°C)

Frequency Range	2 - 18 GHz	
Insertion Loss	2 - 4 GHz	1.8 dB Max
	4 - 8 GHz	2.0 dB Max
	8 - 12 GHz	2.7 dB Max
	12 - 18 GHz	3.5 dB Max
VSWR	2 - 4 GHz	1.8:1 Max
	4 - 8 GHz	1.9:1 Max
	8 - 12 GHz	2.0:1 Max
	12 - 18 GHz	2.0:1 Max
Isolation	2 - 4 GHz	55 dB Min
	4 - 8 GHz	55 dB Min
	8 - 12 GHz	50 dB Min
	12 - 18 GHz	50 dB Min

Operating Characteristics

Impedance	50 Ohms Nominal	
Switching Time**	t_{on}, t_{off}	100 nsec Max
		50 nsec Typ
Input Power for 1dB Compression		
	2 - 18 GHz	+13 dBm Typ
Bias	Insertion Loss	-20 mA
	Isolation	+20 mA
Package Type***	Module (FP-27)	
	(See page 478 for dimensions.)	

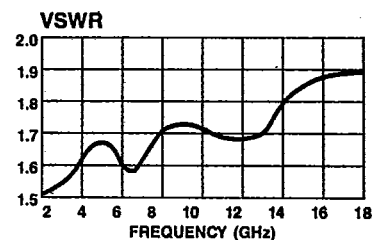
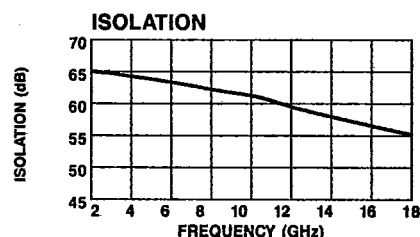
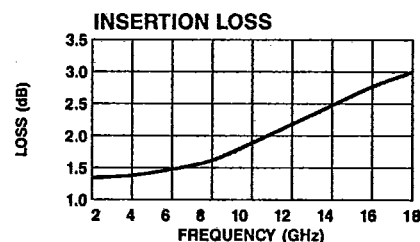
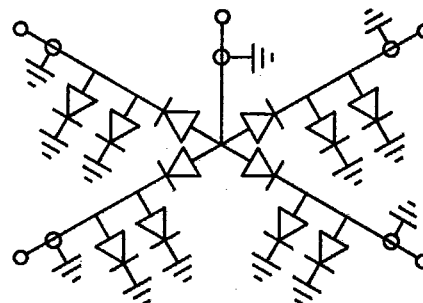
Environmental

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

*All specifications apply when operated at the recommended bias and 50 ohm impedance at all RF ports.

**See pages 206 and 207 for switching speed definition

***Hermetic

Typical Performance

Schematic

Ordering Information

Model No.	Connectors	Unit Price (5-9 Units)
4103-SK	PIN	\$430

Delivery is from stock.

SDI
MICROWAVE
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

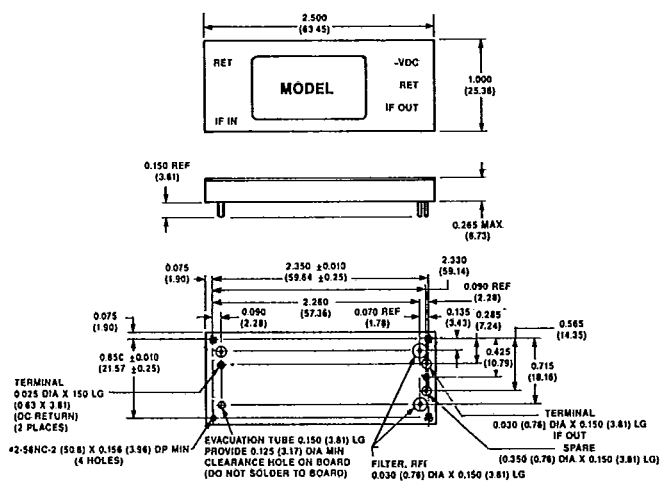
MECHANICAL DATA

UNLESS OTHERWISE NOTED:

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

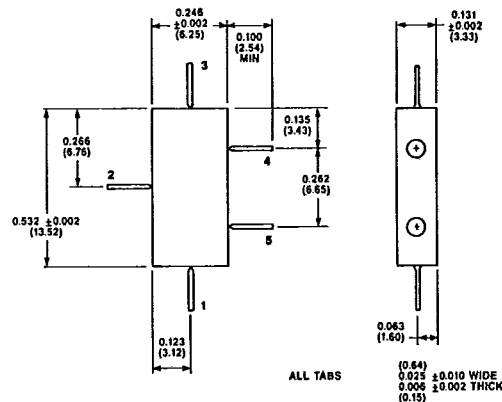
DIMENSIONS IN () ARE IN MM.

FP-24



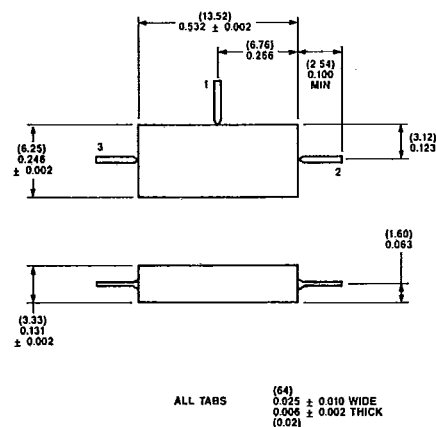
WEIGHT (APPROX.): 2.0 OUNCES 57 GRAMS

FP-25



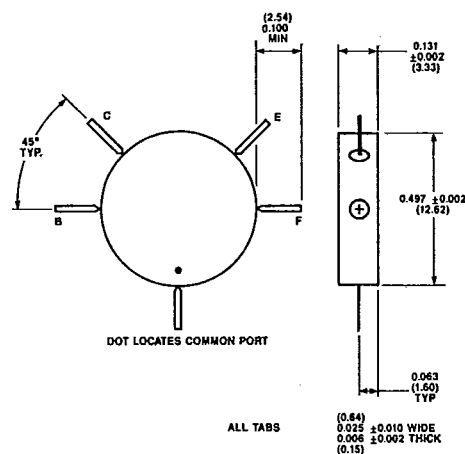
T-90-20

FP-26



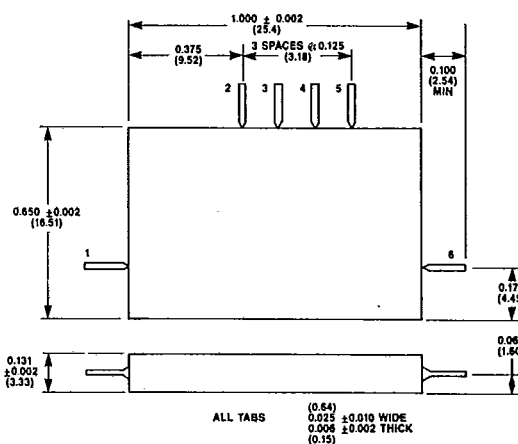
WEIGHT (APPROX.): 0.57 OUNCES 16 GRAMS

FP-27



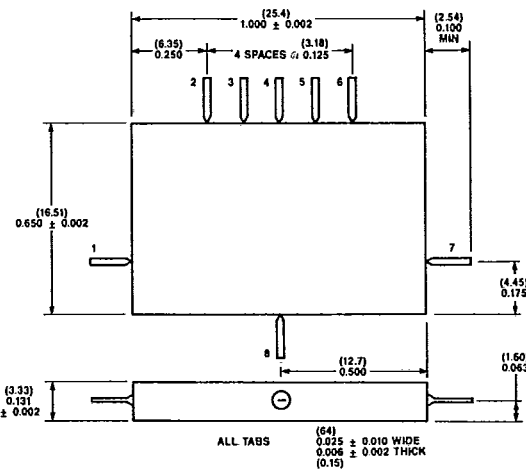
WEIGHT (APPROX.): 0.58 OUNCES 16.5 GRAMS

FP-28



WEIGHT (APPROX.): 1.25 OUNCES 35 GRAMS

FP-29

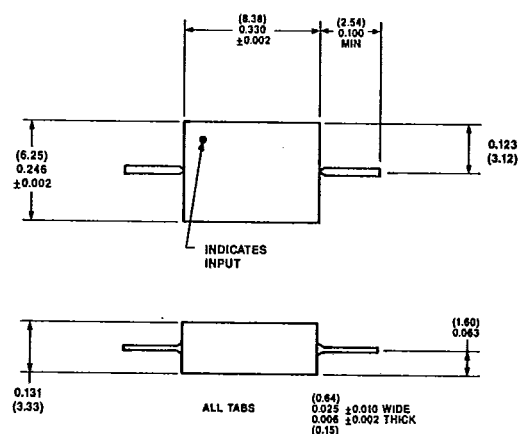


WEIGHT (APPROX.): 1.25 OUNCES 35 GRAMS

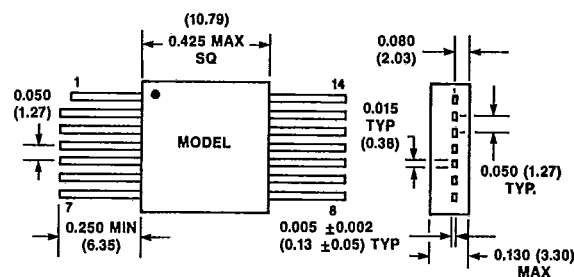
DIMENSIONS IN () ARE IN MM.

T-90-20

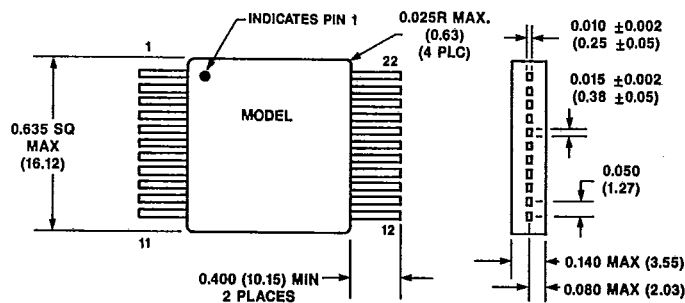
FP-31



WEIGHT (APPROX.): 0.54 OUNCES 15 GRAMS

FP-33

WEIGHT (APPROX.): 1.02 OUNCES 29 GRAMS

FP-35

WEIGHT (APPROX.): 1.08 OUNCES 31 GRAMS