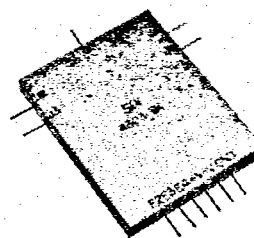



MODEL
4303-SK
SP4T REFLECTIVE SWITCH MODULE
WITH TTL DRIVER 2-18 GHz

7-51-11

2-18 GHz Frequency Coverage
 Internal TTL Driver
 High Isolation
 Hermetic Package


Guaranteed Specifications*
(From -54°C to +85°C)

Frequency Range	2 - 18 GHz	
Insertion Loss	2 - 4 GHz	1.6 dB Max
	4 - 8 GHz	2.3 dB Max
	8 - 12 GHz	2.8 dB Max
	12 - 18 GHz	3.4 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**	100 nsec Max 50 nsec Typ
Input Power for 1dB Compression	2 - 18 GHz +13 dBm Typ
Bias Voltage	+5 Vdc @ 160 mA Max -12 Vdc @ 60 mA Max
Package Type***	Module (FP-30) (See page 479 for dimensions.)

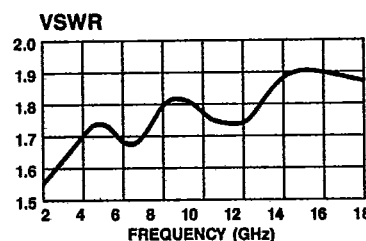
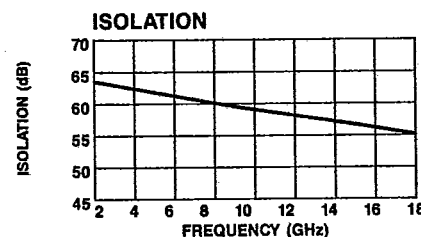
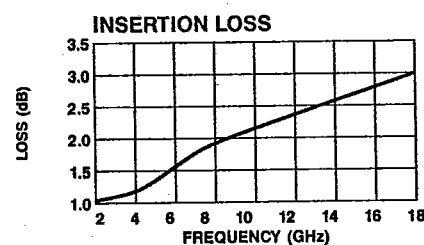
Environmental

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

*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

Truth Table¹

TTL Input				Switch State			
1 = HIGH				RF Common to RF Port			
1	2	3	4	RF1	RF2	RF3	RF4
0	1	1	1	ON	OFF	OFF	OFF
1	0	1	1	OFF	ON	OFF	OFF
1	1	0	1	OFF	OFF	ON	OFF
1	1	1	0	OFF	OFF	OFF	ON

Ordering Information

Model No.	Connectors	Unit Price (5-9 Units)
4303-SK	PIN	\$695

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:

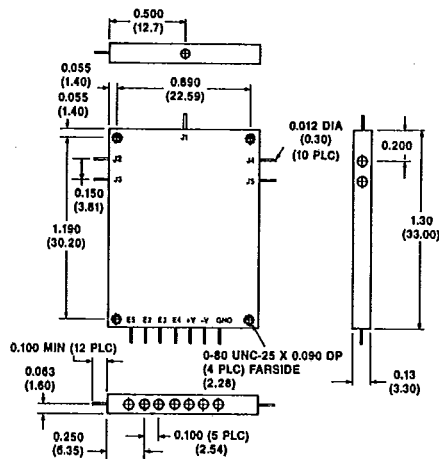
.XXX = ± 0.010 , .XX = ± 0.020 (X = ± 0.3), (XX = ± 0.5)

DIMENSIONS IN () ARE IN MM.

MECHANICAL DATA

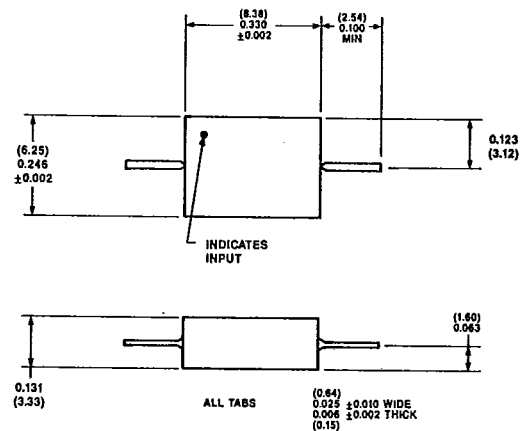
T-90-20

FP-30



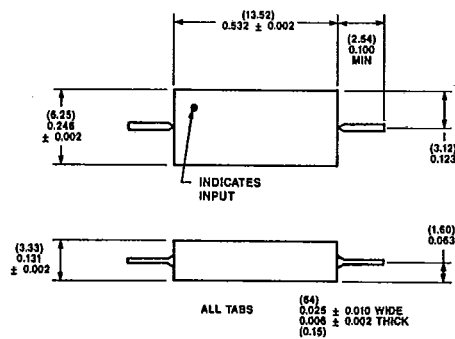
WEIGHT (APPROX.): 2 OUNCES 50 GRAMS

FP-31



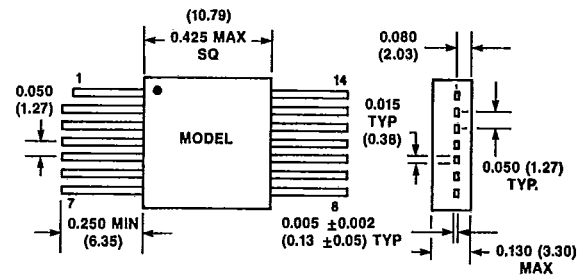
WEIGHT (APPROX.): 0.54 OUNCES 15 GRAMS

FP-32



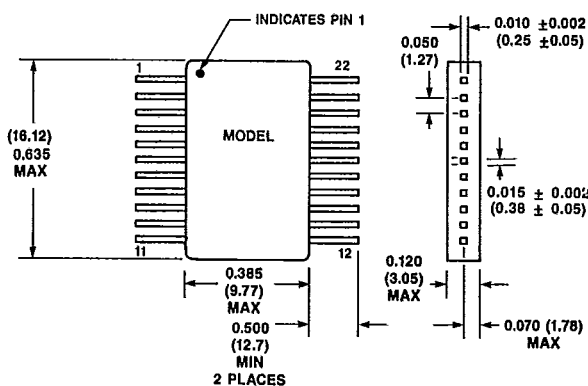
WEIGHT (APPROX.): 0.57 OUNCES 16 GRAMS

FP-33



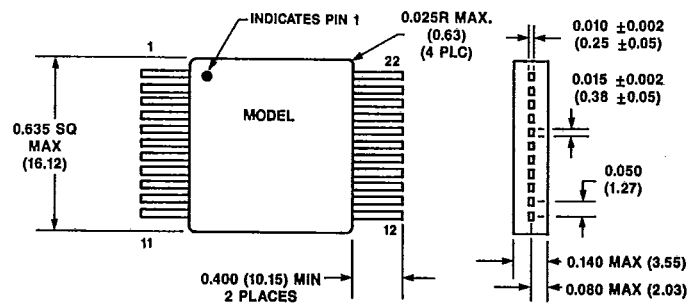
WEIGHT (APPROX.): 1.02 OUNCES 29 GRAMS

FP-34



WEIGHT (APPROX.): 1.07 OUNCES 30 GRAMS

FP-35



WEIGHT (APPROX.): 1.08 OUNCES 31 GRAMS