

NEW
MODEL
8003-SK
600 WATT PEAK POWER
LIMITER MODULE 2 - 18 GHz

T-74-13-01

2-18 GHz Frequency Coverage

Low Insertion Loss

Fast Recovery Time

Hermetic Package



Guaranteed Specifications*

(From -54°C to +85°C)

Frequency Range	2 - 18 GHz	
Insertion Loss	2 - 4 GHz	1.2 dB Max
	4 - 8 GHz	1.6 dB Max
	8 - 12 GHz	2.0 dB Max
	12 - 18 GHz	2.6 dB Max
VSWR	2 - 4 GHz	1.7:1 Max
	4 - 8 GHz	1.8:1 Max
	8 - 12 GHz	1.9:1 Max
	12 - 18 GHz	2.0:1 Max
Flat Leakage **** (@ 400 Watt Input)	2 - 4 GHz	150 mW Max
	4 - 8 GHz	125 mW Max
	8 - 12 GHz	125 mW Max
	12 - 18 GHz	125 mW Max

Operating Characteristics

Recovery Time** (@ 400 W Input to 3 dB Recovery Point)

400 nsec Max

200 nsec Typ

Survival Power (1 μ sec Pulse @ 0.001 Duty Cycle)

500 Watts Max

Spike Leakage

0.1 ergs Max

1 dB Compression

+7 dB Min

Package Type***

Module (FP-32)

(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.

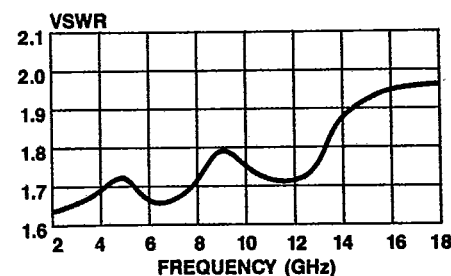
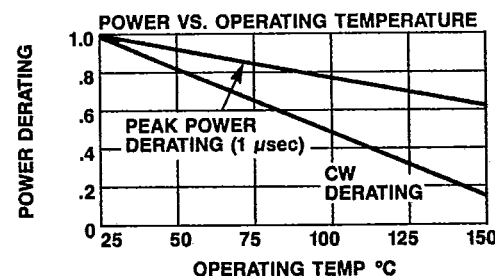
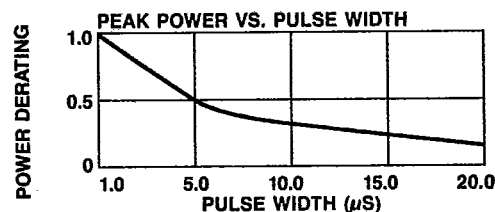
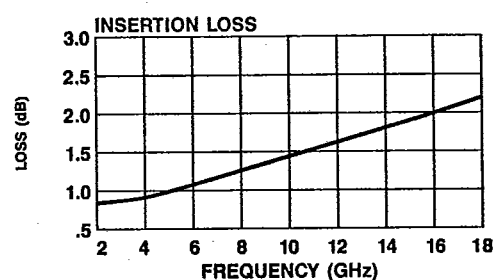
*All specifications apply when operated with a 50 ohm impedance at all RF ports.

**See pages 206 and 207 for recovery time definition

***Hermetic

****External DC Bias Return Required (less than 1 Ohm)

Typical Performance



Ordering Information

Model No.	Connectors	Unit Price (5-9 Units)
8003-SK	PIN	\$265

Delivery is from stock.

SMI
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

UNLESS OTHERWISE NOTED:

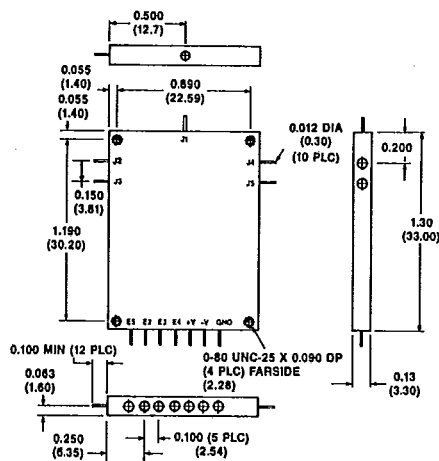
.XXX = ± 0.010 , .XX = ± 0.020 (X = ± 0.3), (XX = ± 0.5)

DIMENSIONS IN () ARE IN MM.

MECHANICAL DATA

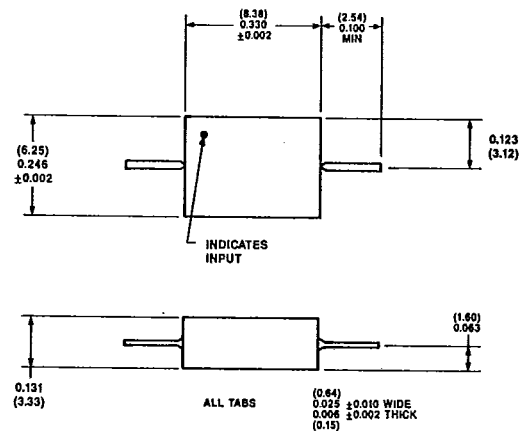
T-90-20

FP-30



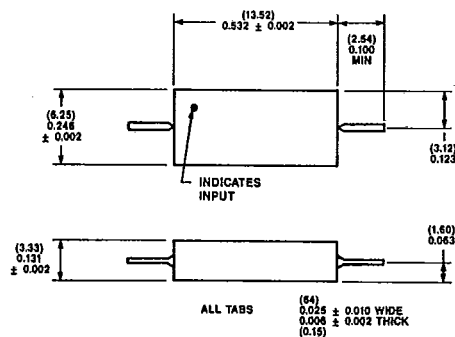
WEIGHT (APPROX.): 2 OUNCES 50 GRAMS

FP-31



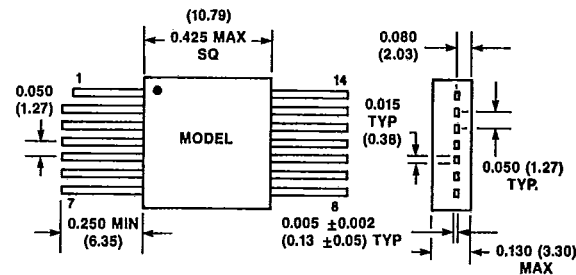
WEIGHT (APPROX.): 0.54 OUNCES 15 GRAMS

FP-32



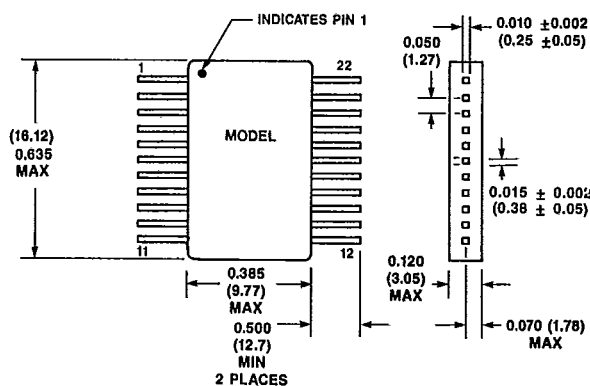
WEIGHT (APPROX.): 0.57 OUNCES 16 GRAMS

FP-33



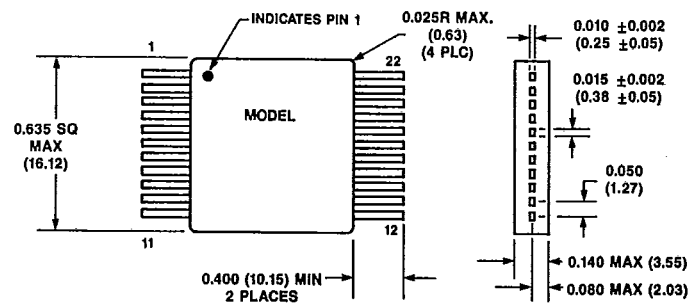
WEIGHT (APPROX.): 1.02 OUNCES 29 GRAMS

FP-34



WEIGHT (APPROX.): 1.07 OUNCES 30 GRAMS

FP-35



WEIGHT (APPROX.): 1.08 OUNCES 31 GRAMS