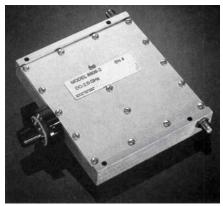
PRODUCT SPECIFICATION



6706,7,8 SERIES 6806 SERIES

SPECIFICATIONS

Model 6706 6806 6707 6708 Frequency Range (GHz) DC-2 DC-2 DC-4 DC-8 Phase Shift, min (°/GHz) 290 290 145 72 Phase Shift, min (°/GHz/Shaft Turn) 9.7 9.7 4.9 2.4 Insertion Phase Nom @ Min Phase Setting (°/GHz) 540 290 550 170 Number of Turns, min 30 30 30 30 VSWR max 1.35 1.35 1.60 1.60 Insertion Loss, max (dB) 0.7 0.7 0.7 0.7 Power Average (Watts) 100 100 100 100 Peak (Watts) 1000 1000 1000 1000 Time Delay, nom @ Min Phase Setting (nsec) 1.5 1.5 0.8 0.45 Weight 4.8 Ounces 8.3 9.3 3.1 Grams 235 263 136 88

NOTES:

1. 1 Degree per GHz of Phase Shift equals 2.78 picoseconds of time delay.

2. Average and Peak Power are given at ambient temperature and altitude with Type SMA Connectors. Power is further limited by the power threshold level of selected connector style.



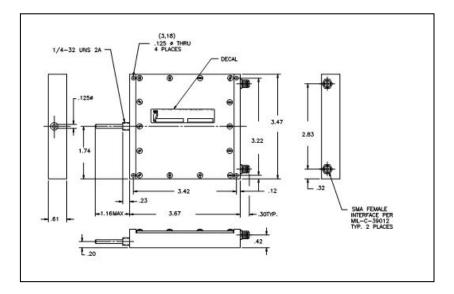
API Technologies RF2M ● 8 Executive Drive ● Hudson, NH 03051 Phone: 888-553-7531 ● Fax: 603.459.1605 micro.apietech.com

FEATURES

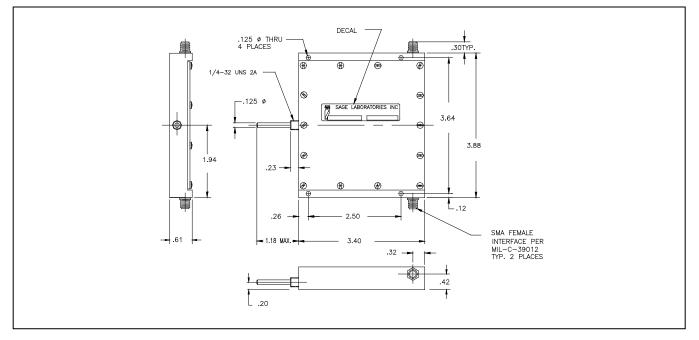
- Type SMA Connectors Standard
- Options from DC to 8 GHz
- High Performance, Trough line Style Structure
- MIL Grade Materials and Processing
- -40 to + 125°C Operating Temperature Range

OUTLINE DRAWINGS

MODELS 6706



MODELS 6806

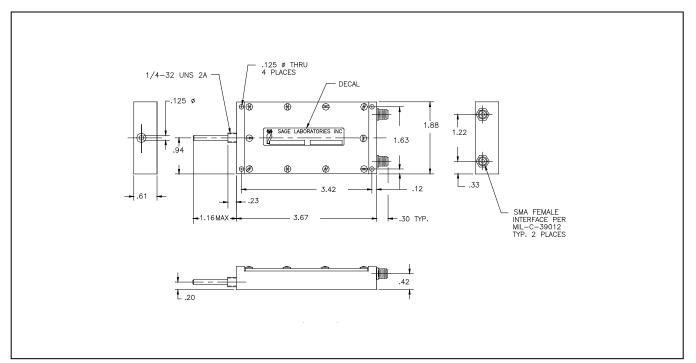




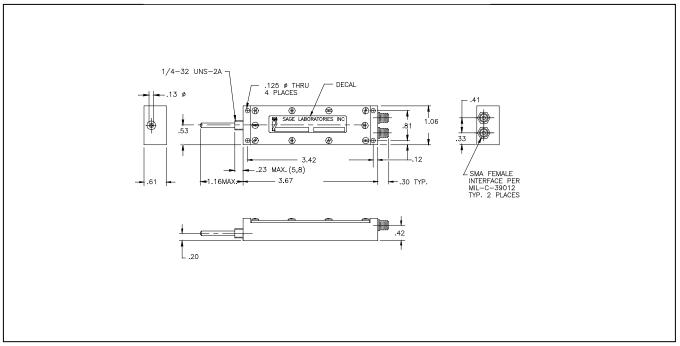
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PRODUCT SPECIFICATION

MODELS 6707



MODELS 6708





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ORDERING INFORMATION

DRIVE SHAFT AND CONNECTOR OPTIONS:

- 1. Only the following standard control options are available. The base model is available without additional options.
- 2. Add suffix as designated below to the ordering model number.

MODEL # PLUS	DESCRIPTION
-1	Shaft Lock
-2	Turns Counter With Built In Shaft Lock
-4	Screw Driver Slot
-5	Control Knob
-14	Shaft Lock With Screw Driver Slot
-15	Shaft Lock With Control Knob

(-1) SHAFT LOCK	(-2) TURNS COUNTER W/ SHAFT LOCK	(-5) CONTROL KNOB
		D= 0.5" L=0.65

MISCELLANEOUS:

- 1. API Technologies "Standard Warranty and Order Terms and Conditions" apply to all orders.
- 2. All specifications subject to change without notice.
- 3. Check "Ordering and Availability Listing" for delivery and ordering information.
- 4. Contact our local Manufacturers Representative for pricing.

Specification Revision - 010813

