

**6706,7,8 SERIES
6806,8 SERIES**

FEATURES

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

SPECIFICATIONS

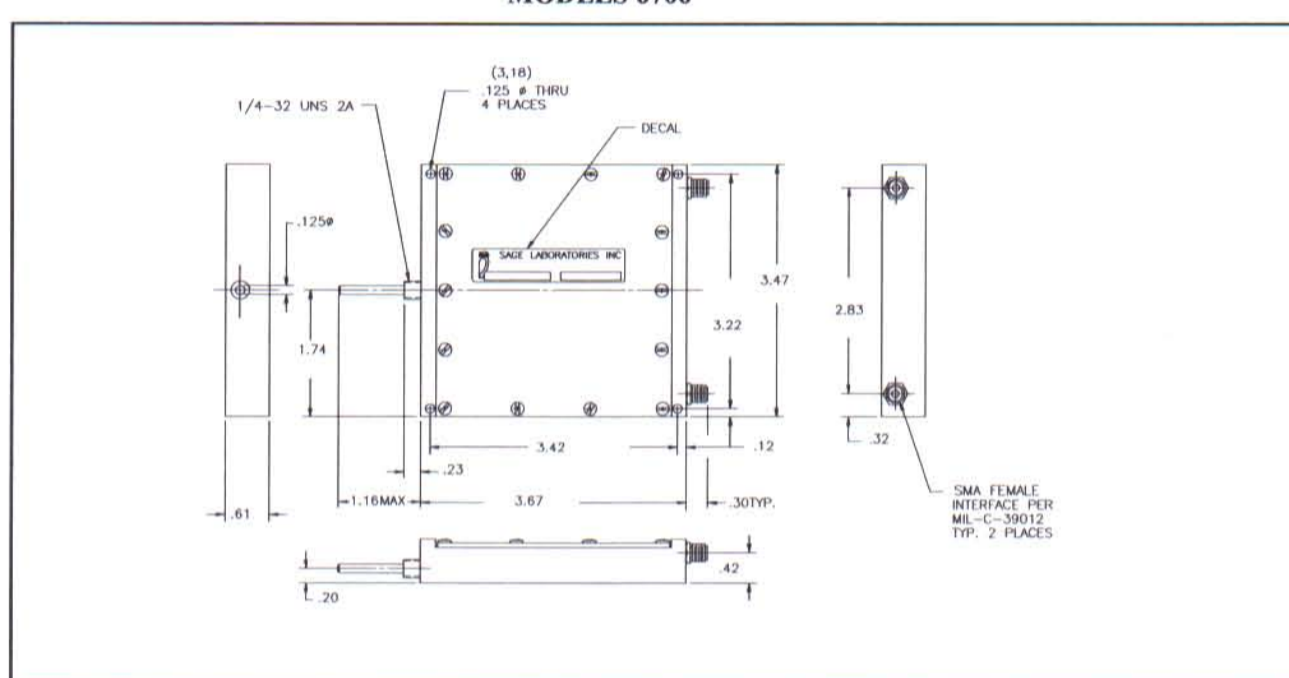
Model	6706	6806	6707	6708	6808
Frequency Range (GHz)	DC-2	DC-2	DC-4	DC-8	DC-8
Phase Shift, min (°/GHz)	290	290	145	72	72
Phase Shift, min (°/GHz/Shaft Turn)	9.7	9.7	4.9	2.4	2.4
Insertion Phase Nom @ Min Phase Setting (°/GHz)	540	550	290	170	180
Number of Turns, min	30	30	30	30	30
VSWR max	1.35	1.35	1.60	1.60	1.60
Insertion Loss, max (dB)	0.7	0.7	0.7	0.7	0.7
Power					
Average (Watts)	100	100	100	100	100
Peak (Watts)	1000	1000	1000	1000	1000
Time Delay, nom @ Min Phase Setting (nsec)	1.5	1.5	0.8	0.45	0.45
Weight					
Ounces	8.3	9.3	4.8	3.1	4.3
Grams	235	263	136	88	122

NOTES:

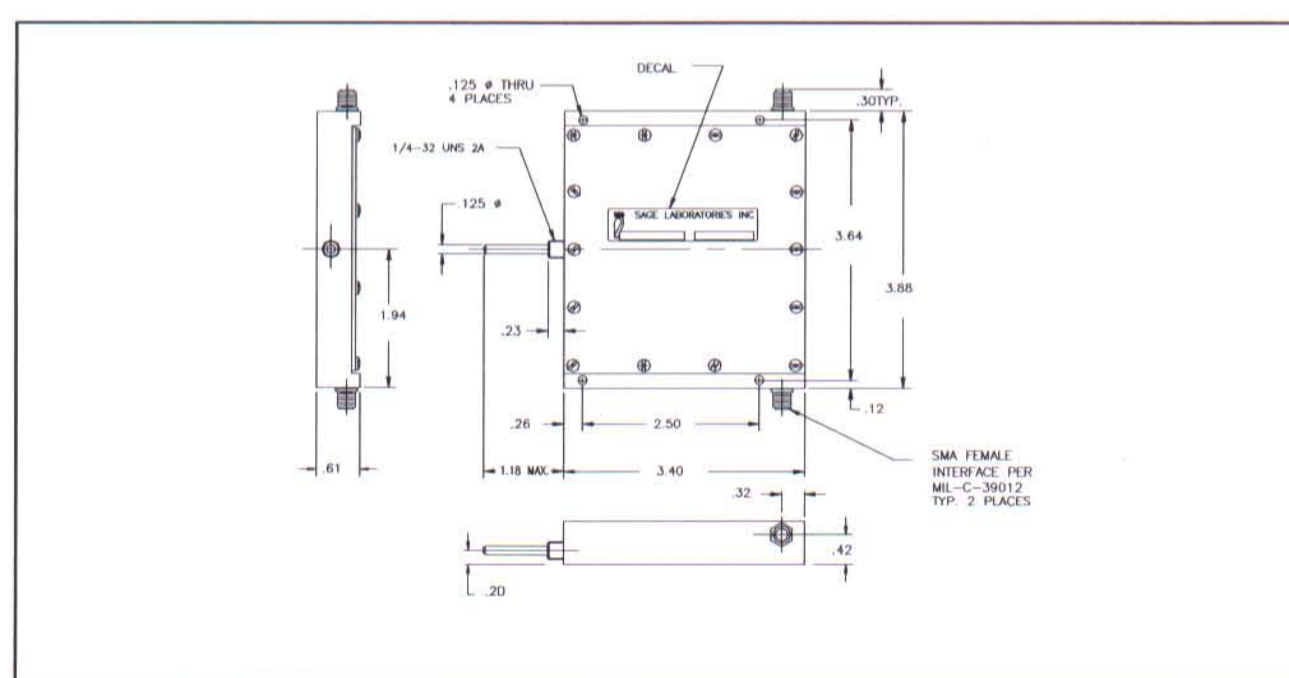
1. 1 Degree per GHz of Phase Shift equals 2.78 picoseconds of time delay.
2. Average and Peak Power are given at ambient temperature and altitude with Type SMA Connectors. See standard power derating curves for Phase Shifters. Power is further limited by the power threshold level of selected connector style.

OUTLINE DRAWINGS

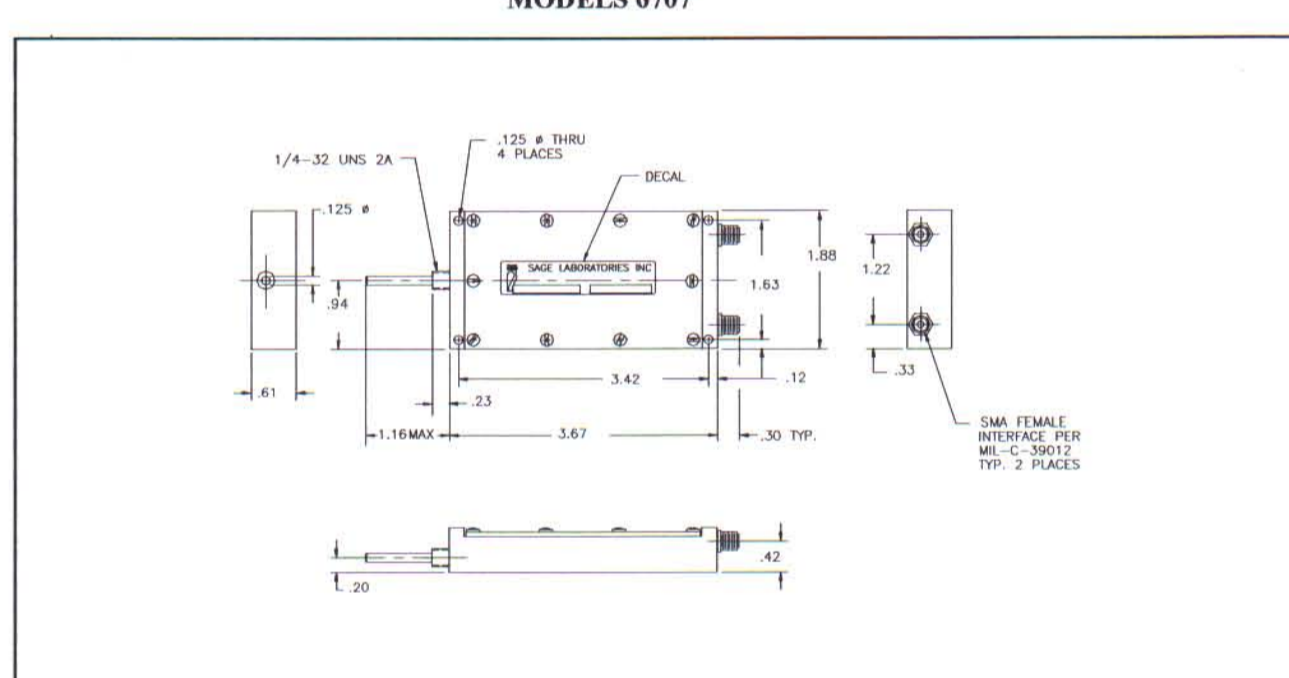
MODELS 6706



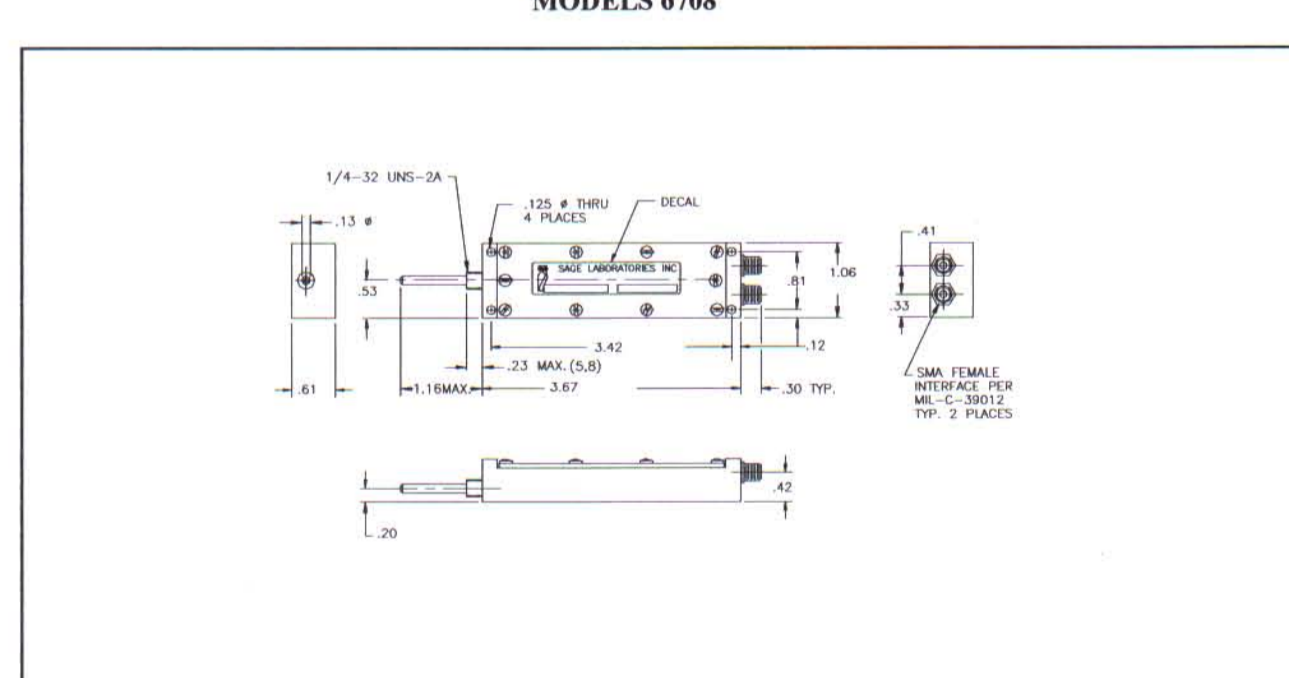
MODELS 6806



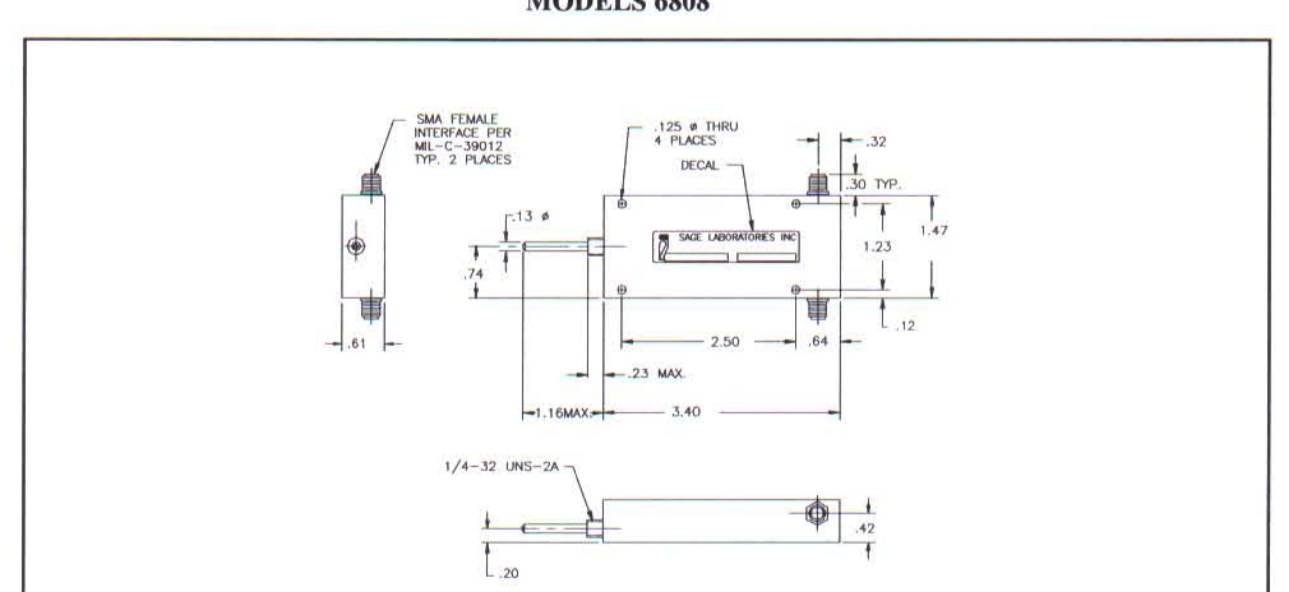
MODELS 6707



MODELS 6708



MODELS 6808



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