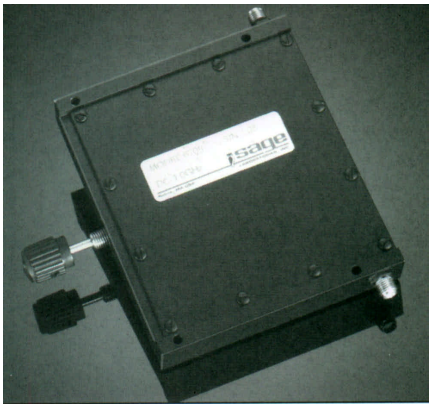


6709 SERIES

FEATURES

- Type SMA Connectors Standard
- Options from DC to 1GHz
- High Performance, Troughline Style Structure
- Military Grade Materials and Processing
- -40 to + 125º C Operating Temperature Range

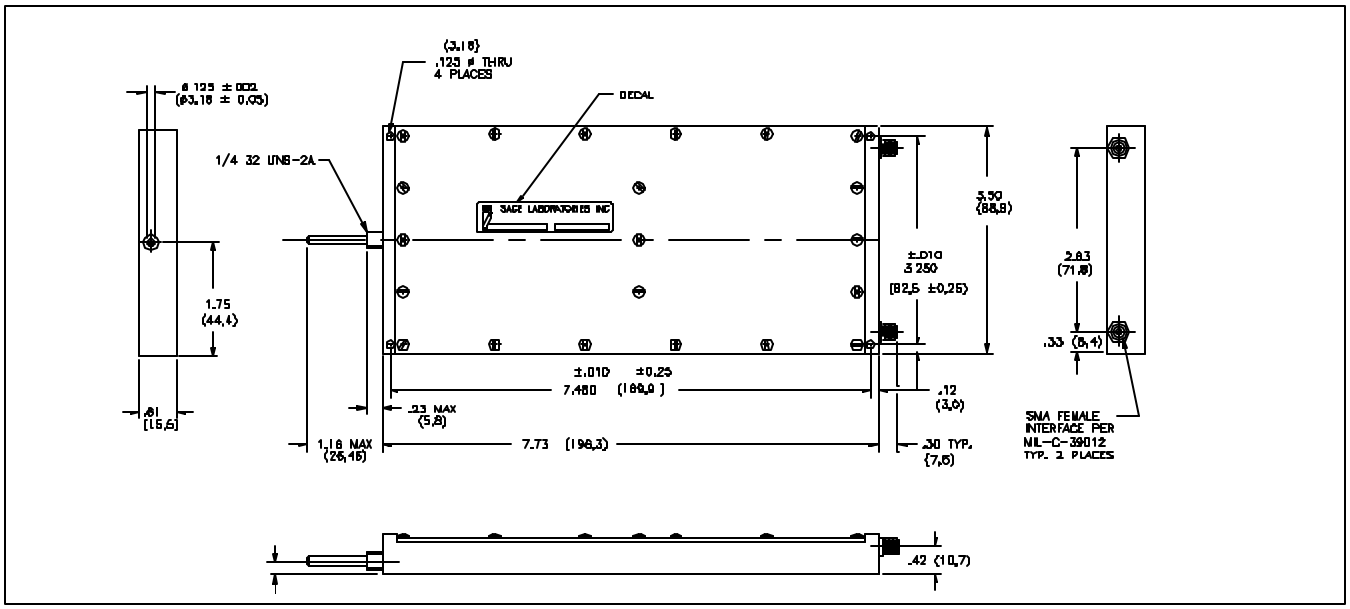
SPECIFICATIONS

Model	6709
Frequency Range (GHz)	DC – 1
Phase Shift, min (°/GHz)	940
Phase Shift, min (°/GHz/Shaft Turn)	9.7
Insertion Phase Nom at Min Phase Setting (°/GHz)	1040
Number of Turns, min	96
VSWR max	1.50
Insertion Loss, max (dB)	0.7
Power	
Average (Watts)	100
Peak (Watts)	1000
Time Delay Range, nom (nsec/GHz) @ Min Phase Setting	2.9
Weight	
Ounces	14.9
Grams	422

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 alt itude with Type SMA Connectors. See standard power derating curves for phase Shifters. Power is further limited by the power threshold level of connector style.

OUTLINE DRAWING

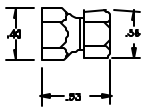
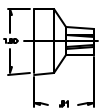
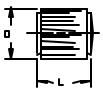


ORDERING INFORMATION

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

MICSELLANIOUS:

1. Sage Laboratories Inc. “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 - 011003

Filtronic Sage Laboratories

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