

**OPS SERIES**

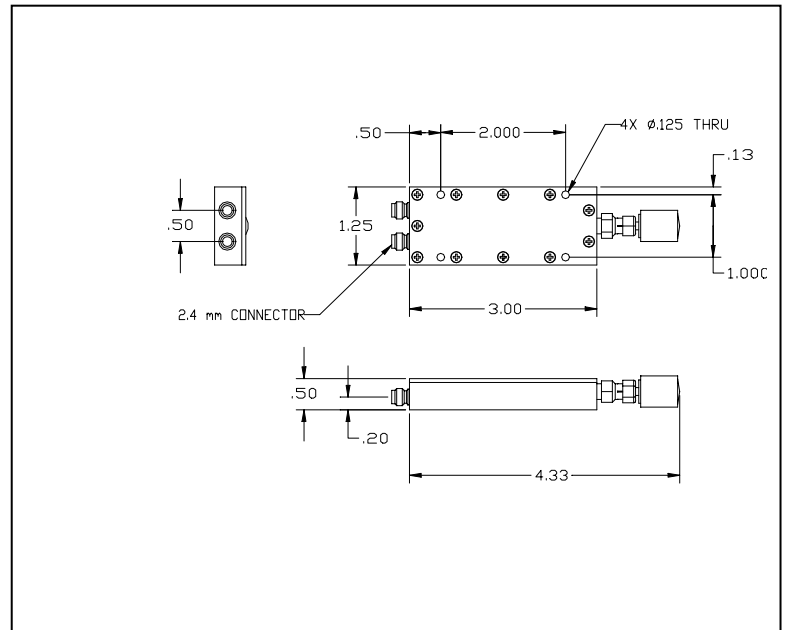
**FEATURES**

- DC – 50 GHz Range for Optical Communications
- Precision 2.4 mm Connectors
- Precision Micrometer Head Adjustment for Enhanced Resolution and setting accuracy

**SPECIFICATIONS**

Model	OPS002
Frequency Range (GHz)	DC-50
Phase Shift, min (°/GHz)	40
Phase Shift, min (°/GHz/Shaft Turn)	1.6
Insertion Phase Nominal @ Min Phase Setting (°/GHz)	190
Number of Turns, min	28
Return Loss, min (dB) DC-20Ghz	12
20-50Ghz	8
Insertion Loss, max (dB) DC-20Ghz	3
20-50Ghz	5
Time Delay, min (nsec/GHz)	0.1
Time Delay, min (nsec/GHz/Shaft Turn)	0.004
Time Delay, nom (nsec/GHz) @ Min Phase Setting	0.5
Weight Ounces	3

**OUTLINE DRAWING**



**NOTES:**

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

**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

