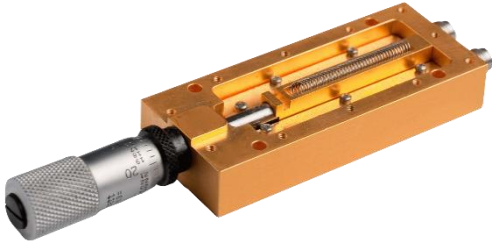


Coaxial Phase Shifters for Optical Communications

DC to 40 GHz



Features

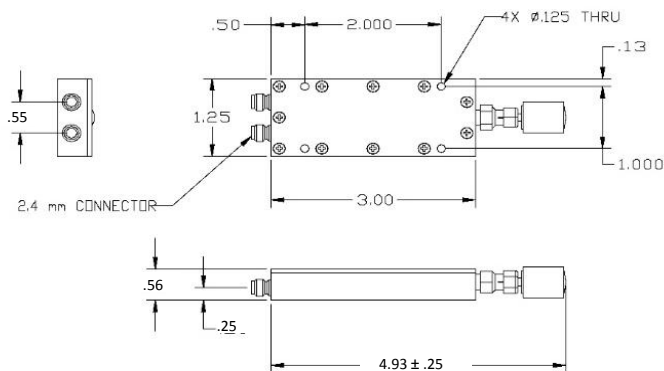
- DC – 40 GHz Range for Optical Communications
- Precision 2.4 mm Connectors or 2.9 mm K® Connectors
- Precision Micrometer Head Adjustment for Enhanced Resolution and Setting Accuracy
- OPS Series

Technical Specifications

Model	OPS-0002	OPS-0002K®
Frequency Range (GHz)	DC-50	DC-40
Phase Shift, min (°/GHz)	40	40
Phase Shift, min (°/GHz/Shaft Turn)	1.6	1.6
Insertion Phase Nominal @ Min Phase Setting (°/GHz)	190	190
Number of Turns, min	28	28
Insertion Loss, max (dB) DC-20 GH 20-50 GH	3 5	3 5
Time Delay, min (ps)	100	100
Time Delay, min (ps/Shaft Turn)	4	4
Time Delay, nominal @ Min Phase Setting (ps)	500	500
Weight - Ounces	3	3

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

Outline Drawing



NOTES:

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

Mouser Electronics

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[OPS-0002](#)