

All-Fiber Variable Phase shifter



Product Overview

Phoenix Photonics variable phase shifter is a compact, simple to operate, all-fiber device for wideband operation. Applying a voltage to the pins gives a controlled modification of the phase shift through the device. The phase shifter provides phase shifts up to 50½ over a broad wavelength range. There are no in-line interfaces allowing the full power handling capacity of the fiber to be utilized and offering a virtually zero excess loss and PDL.

The phase shifter is available in single mode (SM) or polarization maintaining (PM) fiber format.

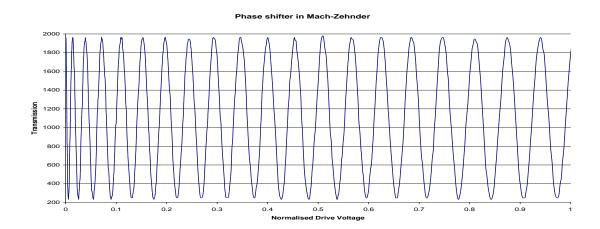
Features & Applications

FEATURES:

- All-fiber
- Simple current control
- >50² phase shift
- Low insertion loss
- Low drive voltage

APPLICATIONS:

- Interferometer stabilization
- Interferometric sensors
- Fiber phase control







SPECIFICATION	Units	
Wavelength range ¹	nm	1300 - 1610
Insertion Loss ²	dB	<0.01
Total phase shift	radians	>50 >150 or on request
Time constant (10% to 90%)	ms	800
Return Loss	dB	>70
Drive Current	mA	0 - 65
Maximum Voltage	V	0 - 5
Operating Temperature Range	°C	-5 to 70
Storage Temperature	°C	-40 to +85
Fiber type		SMF28, PANDA
Input & Output Fiber Lengths	mm	1000

Specification Notes

1. Devices will operate over full wavelength range. Also available in other wavelength ranges please contact sales with requirement

2.Losses do not include connectors

Packaging Style

All dimensions are approximate and may vary slightly

