

## 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 50° 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.

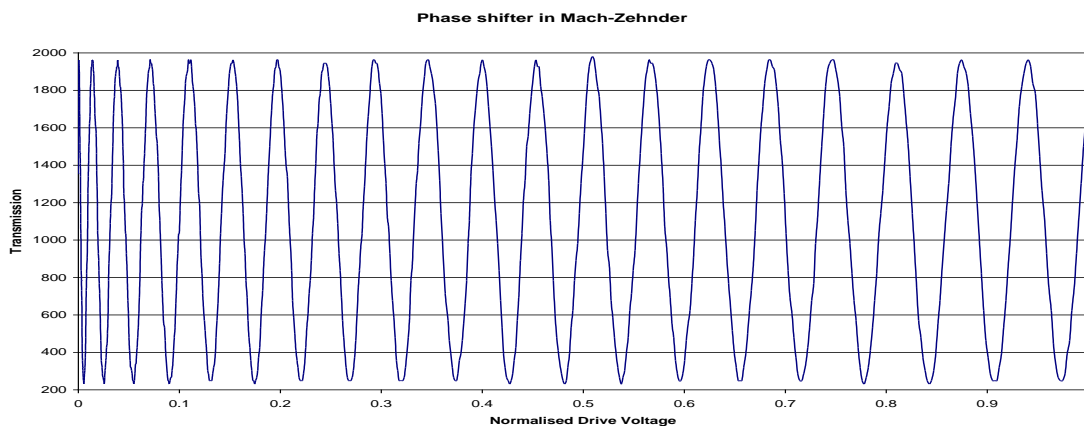
### Features & Applications

#### FEATURES:

- All-fiber
- Simple current control
- >50° phase shift
- Low insertion loss
- Low drive voltage

#### APPLICATIONS:

- Interferometer stabilization
- Interferometric sensors
- Fiber phase control



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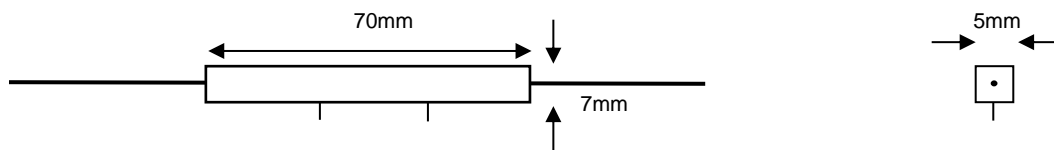
SPECIFICATION	Units	
Wavelength range <sup>1</sup>	nm	1300 - 1610
Insertion Loss <sup>2</sup>	dB	<0.01
Total phase shift	radians	>50 >150 or on request
Time constant (10% to 90%)	ms	800
Return Loss	dB	>70
Drive Current	mA	0 - 65
Maximum Voltage	V	0 - 5
Operating Temperature Range	°C	-5 to 70
Storage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

### Specification Notes

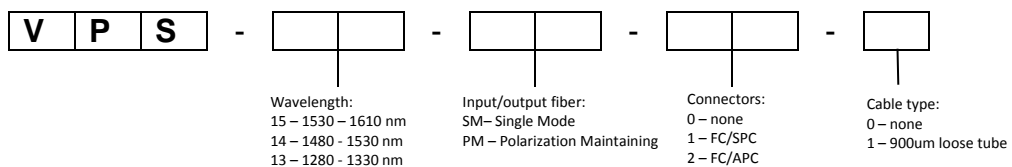
- 1.Devices will operate over full wavelength range. Also available in other wavelength ranges please contact sales with requirement
- 2.Losses do not include connectors

### Packaging Style

All dimensions are approximate and may vary slightly



### Ordering Information



For more information please contact Phoenix sales:  
[sales@phoenixphotonics.com](mailto:sales@phoenixphotonics.com) or visit us at  
[www.phoenixphotonics.com](http://www.phoenixphotonics.com)