

All-Fiber Variable Phase shifter



FEATURES:

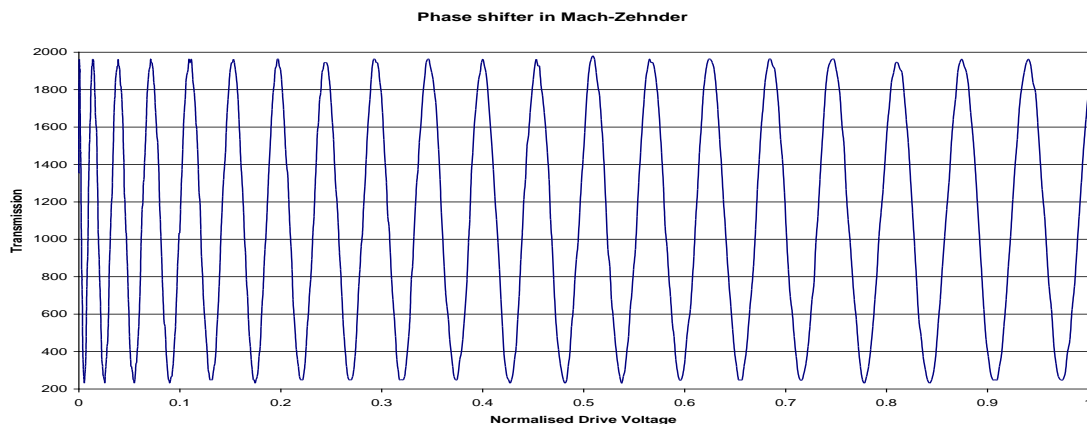
- All-fiber
- Simple current control
- $>50\pi$ phase shift
- Low insertion loss
- Low drive voltage

APPLICATIONS:

- Interferometer stabilization
- Interferometric sensors
- Fiber phase control

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 50π 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.



SPECIFICATION:	Units	
Wavelength range ¹	nm	1300 - 1610
Insertion Loss ²	dB	<0.01
Total phase shift	radians	>50 π (>150 π 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	^o C	-5 to 70
Storage Temperature	^o C	-40 to +85
Fiber type		SMF28, PANDA
Input & Output Fiber Lengths	mm	1000

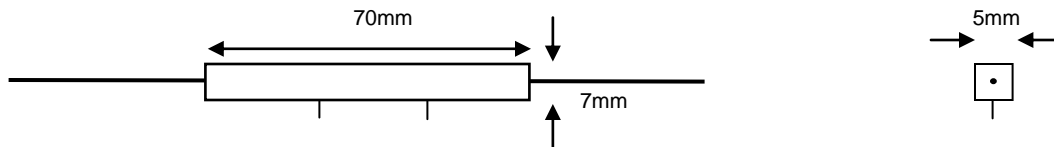
Notes:

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



ORDER CODE:

