

## FINAL INSPECTION REPORT 2x1 Polarization Beam Combiner

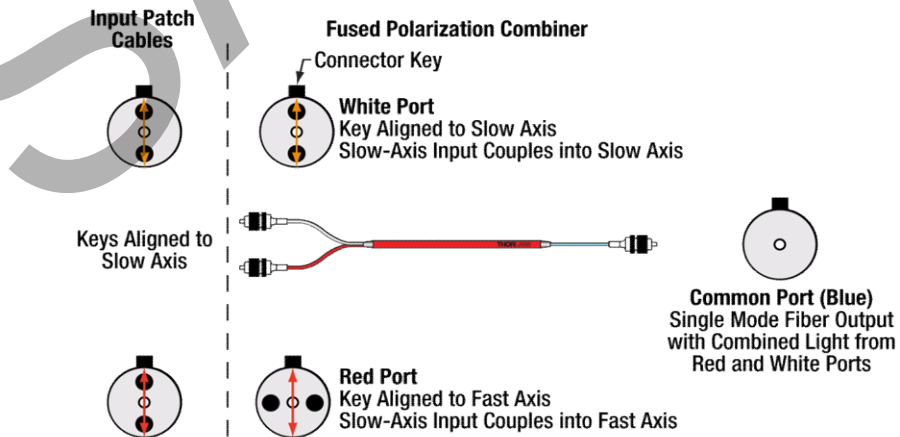
Item #: PFC1550HA  
SN: T059442

Center Wavelength: 1550 nm  
Maximum Optical Power<sup>a</sup>  
With Connectors or Bare Fiber: 1 W  
Spliced: 5 W  
Fiber Type  
White & Red Ports: YOFC PM1017-C+ (1550)  
Blue Common Port: SMF-28 ULTRA

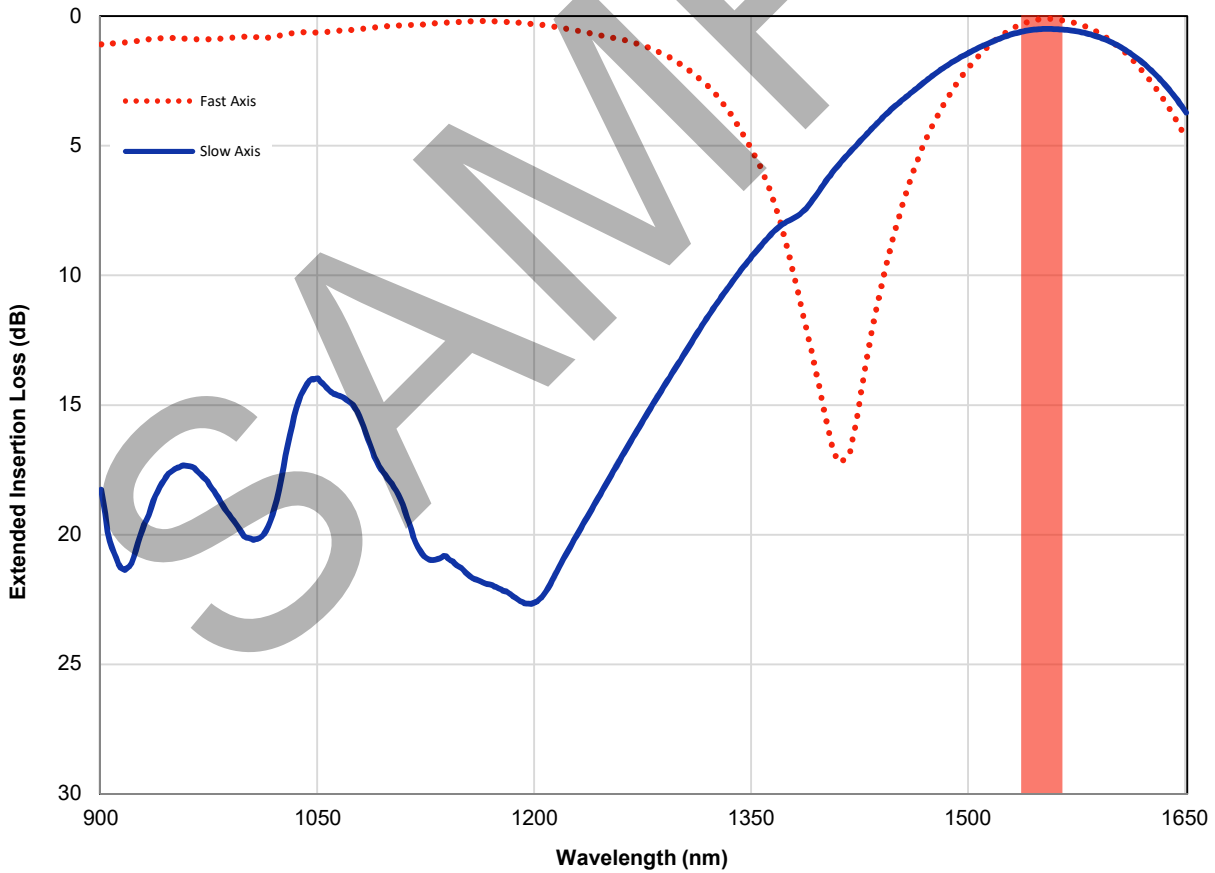
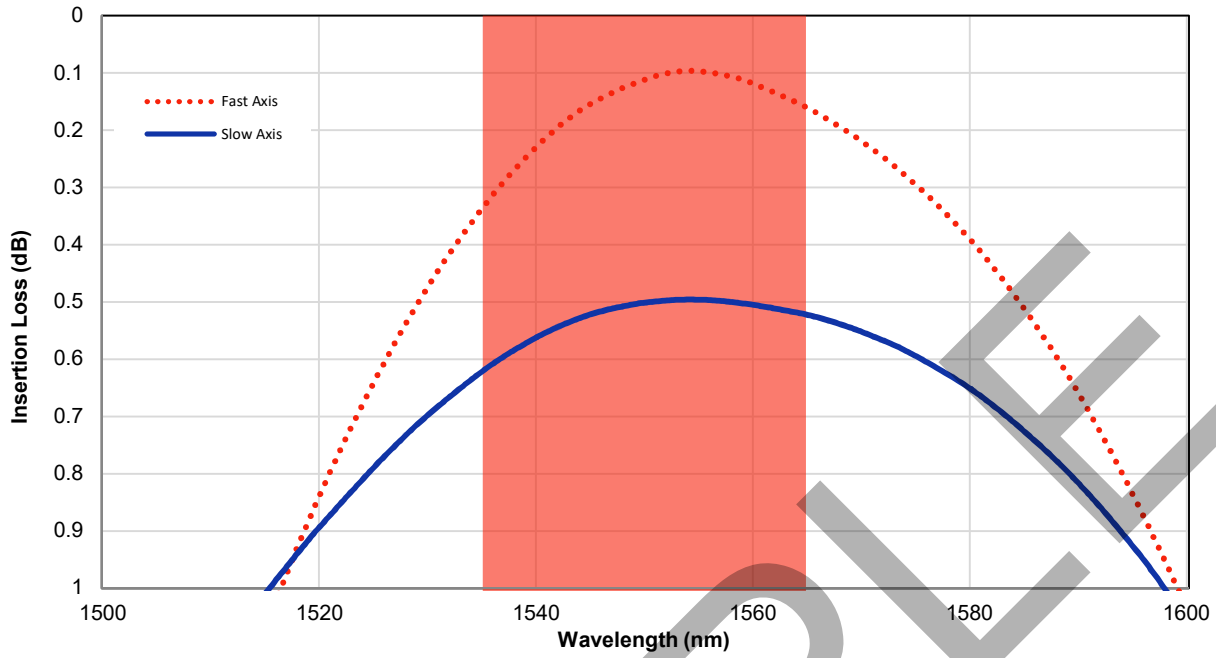
Test Data at Center Wavelength <sup>b</sup>		
Port Jacket Color	Red	White
Axis	Fast	Slow
Transmission <sup>c</sup>	97.5%	89.1%
Insertion Loss <sup>d</sup>	0.11 dB	0.5 dB

Test Data over Bandwidth <sup>c</sup>		
Bandwidth	1535-1565 nm	1535-1565 nm
Transmission <sup>c</sup>	92.7%	86.9%
Insertion Loss <sup>d</sup>	0.33 dB	0.6 dB

- a. Specifies the maximum power allowed through the component. Performance and reliability under high power conditions must be determined within the user's setup.
- b. All values are measured at room temperature without connectors.
- c. Calculated from measured insertion loss data below.
- d. Insertion loss is the ratio of the input power to the output power for each port of the polarization combiner (PFCH).



Verified by: \_\_\_\_\_



This polarization combiner (PFCH) operation is only guaranteed over the specified bandwidth as defined by the colored region above. Thorlabs displays a wider wavelength range to provide insight into how this particular device would perform if used outside its guaranteed operating range. The out-of-band performance can vary from device to device.