



Key Features

- State-of-the-art quality and reliability
- Hermetically sealed for environmental stability
- Stable with temperature and humidity
- Free spectral range is temperature insensitive
- No power required
- Compact and rugged design
- Useful for many optical reference needs

Description

Technica's Athermal Fabry-Perot Interferometer (AFPI) is a passive device based on etalon technology that offers a stable comb of reference points for your optical needs. The Technica AFPI is temperature stable from 0-70 °C. and has no power requirements.

The Technica AFPI is meant for use when a stable, passive device is required for wavelength referencing. Long life and low drift due to our state-of-the-art hermetic sealing make this an ideal device for optical system integration.

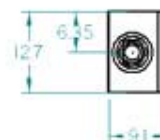
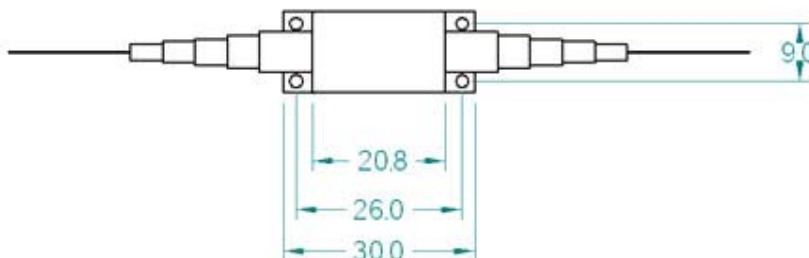
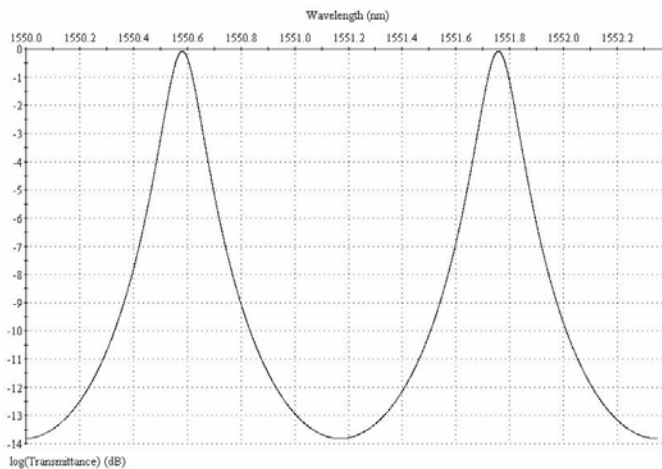
The AFPI is ideally suited as a wavelength reference in Telecom WDM Systems, Biotechnology and Imaging Measurement Instruments, Optical Sensing Instruments, and for a growing number of Scientific Applications.

Specifications

Finesse	7
Insertion Loss	< 3 dB
Return Loss	> 20 dB
Free Spectral Range	100 GHz +/- 5%
Thermal Stability (0-60 °C)	< +/- 1.5 GHz, < +/- 3 GHz
Wavelength Range ¹	1525 to 1565 nm
Operating Temperature	0 to 70 °C
Storage Temperature	-40 to 80 °C
Dimensions	30 x 12.7 x 10 mm

Note 1: The AFPI operates over a much broader wavelength range by design. It is currently tested at the factory only from 1525-1565nm.

Wavelength Performance Plot Technica 100GHz AFPI Reference



Technica S.A. undertakes a continuous and intensive product development to ensure its products perform to highest technical standards. As a result, the specifications in this document are subject to change without notice.

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