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FABRY-PEROT ITU REFERENCE

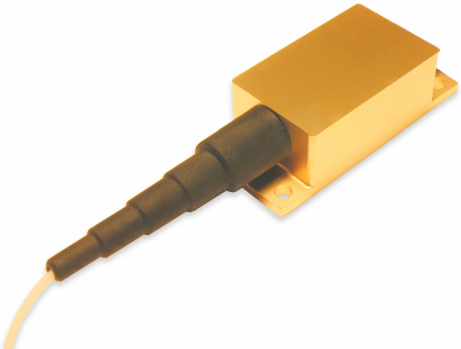
**Patents pending*

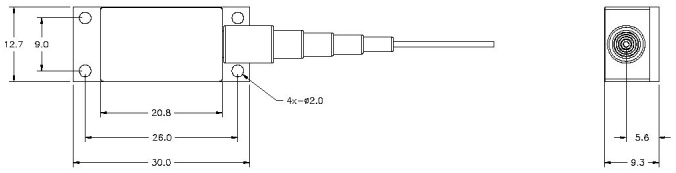
- **Reference notches at ITU grid**
- **Superior accuracy**
- **Athermal optics ensures excellent thermal stability**
- **Hermetic sealing for high reliability**
- **Reflection mode operation**

The Fibera **Fabry-Perot ITU Reference (FPIR)** series is a compact, high accuracy Fabry-Perot reflection filter based on a newly developed, proprietary technology. These devices establish a series of periodic notches with spacing of 100, 50 and 25 GHz deviating from ITU grid less than 1.25 GHz over temperature, wavelengths and aging.

The Fibera FPIR is hermetically sealed and is insensitive to environmental temperature variations. Hermetic sealing not only ensures the accuracy of laser wavelength, but also the reliability of the device.

The Fibera FPIR is ideal for DWDM channel monitoring, optical spectrum analyzer/wavelength meter calibration, and tunable filter ITU channel setting applications. Custom tuning option is available.





Mechanical Dimensions

SPECIFICATIONS

Parameters	Units	Value		
		100GHz	50GHz	25GHz
Technology		Advanced Etalon		
Wavelength Range (ITU grid)	nm	1525-1565		
Center Channel Accuracy	GHz	<= ± 1.25		
Notch Full Width at -20dB	pm	10	10	8
Notch Full Width at -30dB	pm	3	3	2.4
Thermal Stability	GHz	± 0.8	± 0.4	± 0.2
Storage Temperature	°C	-40 to +85		
Polarization Dependent Accuracy	GHz	< 0.1		
Maximum Operating Power	mW	300		
Operating Temperature	°C	0 to +70		
Dimensions	mm	30.0 x 12.7 x 10.0