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2014A WAVELENGTH (FREQUENCY) MARKER

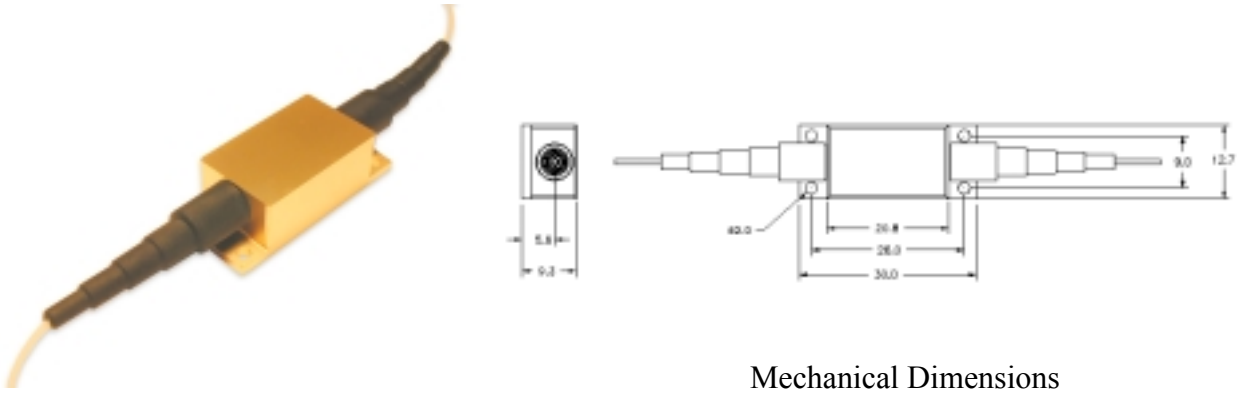
- **Superior accuracy**
- **Hermetically sealed to ensure long term reliability**
- **Athermal, no temperature control / compensation required**
- **Photodiode Integrated in the Package**

The Fibera **2014A Wavelength (Frequency) Marker** WAVELENGTH (FREQUENCY) MARKERWavelength (Frequency) Marker is a high accuracy wavelength (frequency) scale for measuring the wavelength (frequency) under interrogation, or for laser wavelength (frequency) tuning. Based on athermal Fabry-Perot principle and hermetic construction, the 2014A produces fringes in 25 Ghz, 50Ghz, or 100 Ghz (user-specific) as the unknown light source sweeps through its bandwidth. This wavelength marker is aligned to 25, 50, or 100GHz ITU grid, which therefore enables the user to easily identify the instantaneous position of the wavelength (frequency). The 2014A has an absolute accuracy of ± 1.25 GHz between 0 and 70°C.

The Fibera WAVELENGTH (FREQUENCY) MARKER is hermetically sealed and is not affected by environmental temperature variations. Hermetic sealing not only ensures the accuracy of laser wavelength, but also the reliability of the device.

When coupled with the Fibera 2013A Athermal FBG Wavelength Reference, the absolute wavelength (frequency) can be identified.

The Fibera 2014A is ideal for fiber optic strain gauge measurement and structural health monitor referencing applications. Custom tuning option is available.



Mechanical Dimensions

SPECIFICATIONS

Parameter	Units	Value
Peak Spacing	GHz	100
Wavelength Range (ITU grid)	nm	1525-1620
Center Channel Accuracy	GHz	≤ ± 1.25
Thermal Stability	GHz	± 0.8
Finesse		75
Contrast	dB	34 ± 3
Storage Temperature	°C	-40 to +85
Max. Operating Power	mW	300
Operating Temperature	°C	0 to +70
Dimensions	mm	40.0 x 21.0 x 8.5