FBG Wavelength Locker

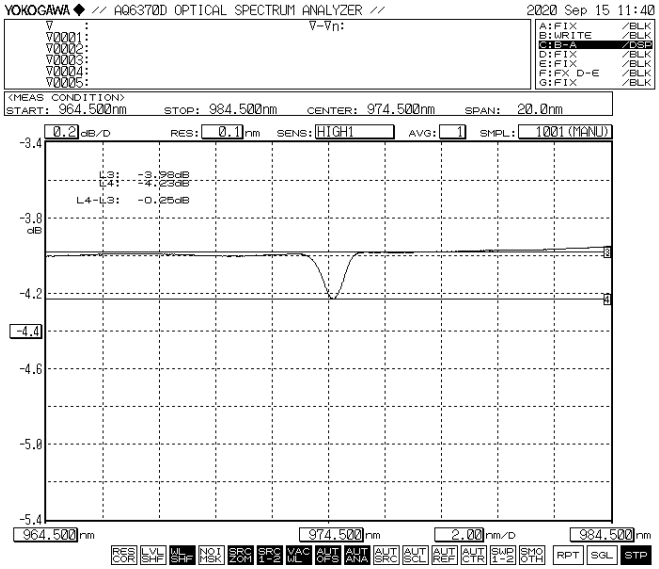
The wavelength of pump laser diode is varied at different operating temperatures. Fiber Bragg Gratings (FBG) Wavelength Locker with low reflectivity is used to stabilize the wavelength and intensity of EDFA pump laser. It can stabilize the channel wavelength to ITU-T Grid standard wavelength in DWDM systems, network monitoring and fiber sensor applications. According to the customer's locking requirements for the pump laser, single FBG or double FBG configuration can be provided for wavelength locking.

Key Features

- High wavelength locking accuracy
- Extremely low temperature dependence
- Low polarization dependence
- Periodical locking covers all channels

Applications

- EDFA pump lasers
- DFB lasers stabilization for WDM systems
- Laser stabilization for tunable laser module
- Raman system in-fiber resonators



Specifications

Parameter	Unit	Value
Center Wavelength	nm	940, 972-978, 1064, 1070
Wavelength Tolerance	nm	+/-0.25
Reflectivity	%	>1
Bandwidth (FWHM)	nm	>0.02
SLSR	dB	>10
FBG Recoating	--	Acrylate
Tensile Strength	kpsi	>100
Fiber Type	--	HI1060, HI1060flex, HI980, PM980 or SMF-28e
Fiber Coating	--	Acrylate
Pigtail Length	m	Standard 1m both ends, or custom
Optical Connector	--	Bare Fiber, FC/APC, SC/APC, or custom