

Phase Shifted FBG

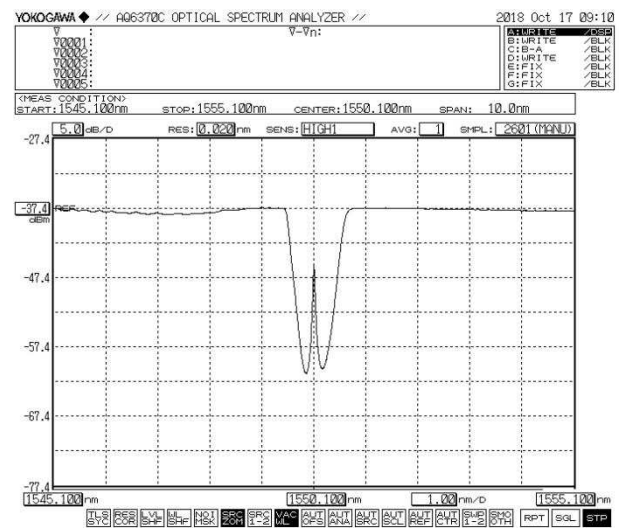
Phase Shifted FBG is to introduce phase discontinuity points in the FBG, and generate a very narrow transmission window in the reflection spectrum of the FBG, the transmission wavelength varies with the phase shift amount. Phase Shifted FBG can be used as a demultiplexer in dense wavelength division multiplexing (DWDM) systems. The size, location and points of phase shift have an important impact on the performance of the demultiplexer.

Key Features

- Low Insertion Loss
- High Reflectivity
- Easy Installation

Applications

- WDM Systems
- Optical Fiber Lasers
- High Finesse Transmission Filters
- Ultrasonic Detectors
- Optical Fiber Sensors



Specifications

Parameter	Unit	Value
Center Wavelength	nm	1510 ~ 1590
Reflectivity	%	50-99%
Transmission Bandwidth	nm	0.05 (typical)
Bandwidth (FWHM)	nm	0.1~0.8
SLSR	dB	≥8
FBG Recoating	--	None, Acrylate, Polyimide, or custom
Tensile Strength	kpsi	≥100
Fiber Type	--	Single-Mode
Fiber Coating	--	Acrylate
Pigtail Length	m	Standard 1m both ends, or custom
Optical Connector	--	Bare Fiber, FC/APC, SC/APC, or custom