

1660nm broadband fiber Bragg grating filter



● Product Description

The LP-780SM-FA-C series coaxial single-mode fiber coupled laser is a low-loss single-mode fiber coupled laser introduced by Idealphotonics . It features a compact packaging size and high output power. Our products are widely used in laser communication, printing, and laser medical fields.

● Part Number

SWFBG-1660-8-99-SA

● Product features

Wavelength range: 400-1200nm 1600-2300nm 、 LR: 5-99% (0.1-10nm bandwidth)、 Operation power: < 1W、 Different packaging types available、 Different fiber types available

● Application area

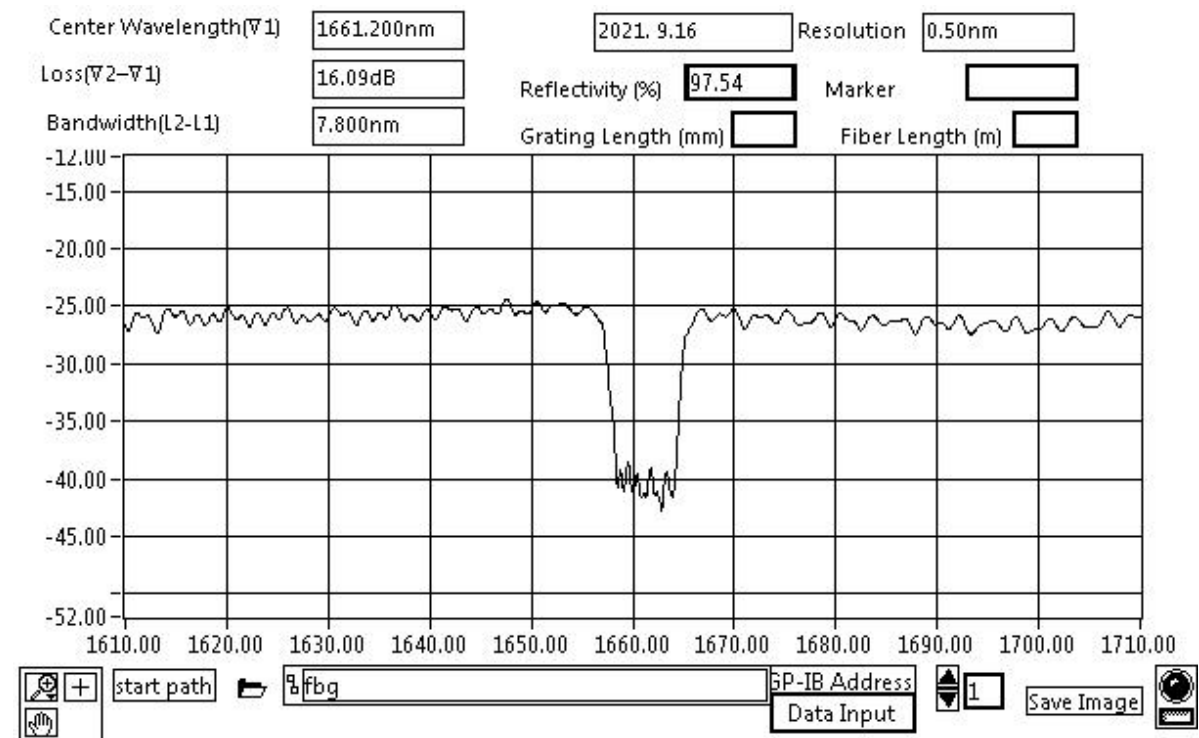
Narrowband selective wavelength filtering 、 High stability reliability field, temperature stress change 、 Chirp dispersion compensator, WDM filter 、 Transportation, energy, civil engineering, communication, medical field

Parameter

Test temperature @25℃

Parameters	Specification	Unit
Custom center wavelength at room temperature	400-1200nm 1600-2300nm	nm
Center wavelength tolerance	≤ 0.5 nm	nm
Reflection bandwidth tolerance	± 0.1	nm
FWHM	0.1 - 10 optional (± 0.05 nm)	nm
Reflectivity	5 - 99 (± 5 %)	%
Max. tensile stress	5000	$\mu \epsilon$
Reflectivity tolerance	± 5.0	%
Side mode suppression ratio (SMSR)	>10	dB
Stress sensitivity	$\sim 1,3$ (@1550 nm)	pm/ μ
Temperature stability	~ 10 (@1550 nm)	pm/ $^{\circ}$ C
Pigtail length (each end)	0.5m	
Operating temperature	-40 $^{\circ}$ C to 150 $^{\circ}$ C for standard fibers	
Fiber connectors	FC/APC,bare fiber (other can customizable)	
Packaging type	Recoating and packaging	
Core/cladding diameter	9/250	um/um

Test spectrum



Ordering Information

SWFBG- □□□□-☆-☆☆-XX

□□□□: Wavelength

1660: 1660nm

532: 532nm

1742: 1742nm

1950: 1950nm

☆ : bandwidth

7: 7nm

12: 1.2nm

☆☆: Reflectivity

01: 1%

10: 10%

99: 99%

XX: Fiber and Connector Type

SA=SMF-28E+ FC/APC

SP=SMF-28E+ FC/PC

SN=SMF-28E+ None

PA=PM1550 Fiber+ FC/APC

PP=PM1550 Fiber+ FC/PC

PN=PM1550 Fiber+ None