

S+C+L波段 160nm可调谐带通滤波器(高斯型)



产品描述:

高速可调谐带通滤波器。作为一个双端口光学模块，输入端口接收宽带多波长的光，并且只接收一小部分入射信号通带内允许通过滤波器并被引导到输出端口。所选波段的中心波长可调谐到工作波长范围内的任何位置。在我们的设计灵活，传输带宽，波长调谐范围可定制。

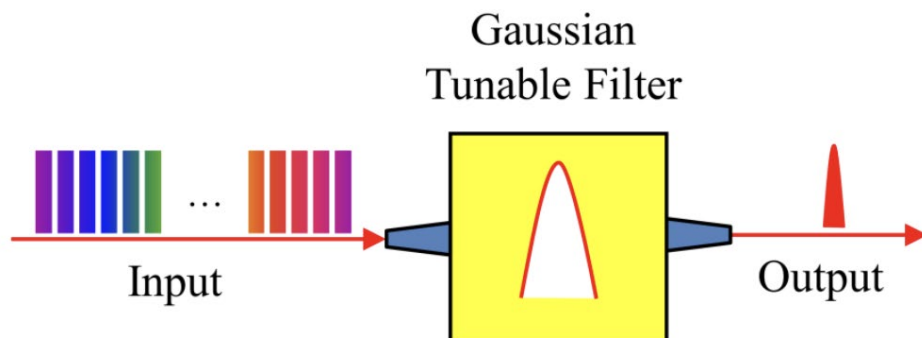
该压控滤波器无需运动部件，调谐速度快，体积小，体积小。我们的滤波器被用作光学光谱分析仪（OSA）的波长扫描引擎光学系统中提高激光信噪比的抑制滤波器及系统诊断通信系统。

产品特点:

- ✧ 高速波长调谐
- ✧ 宽工作波长范围
- ✧ 平顶/高斯滤波器形状
- ✧ 无活动部件
- ✧ 超过10亿个周期

产品应用:

- ✧ 光谱分析仪引擎
- ✧ ASE噪声抑制
- ✧ 光通道诊断
- ✧ 测试和测量仪器
- ✧ 波长锁定器的信道选择



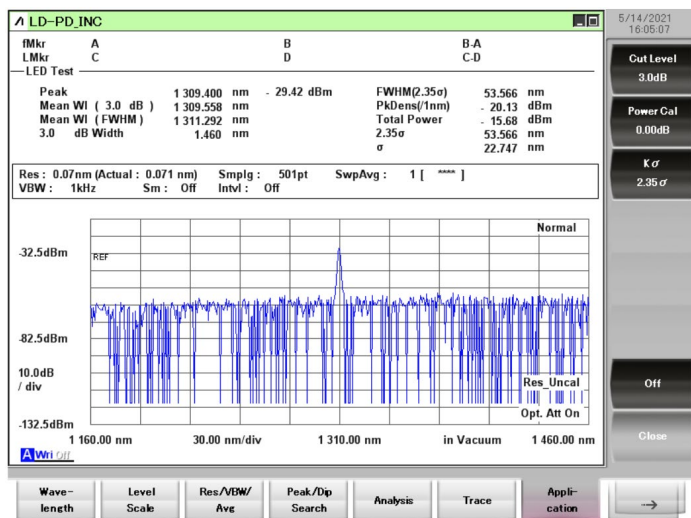
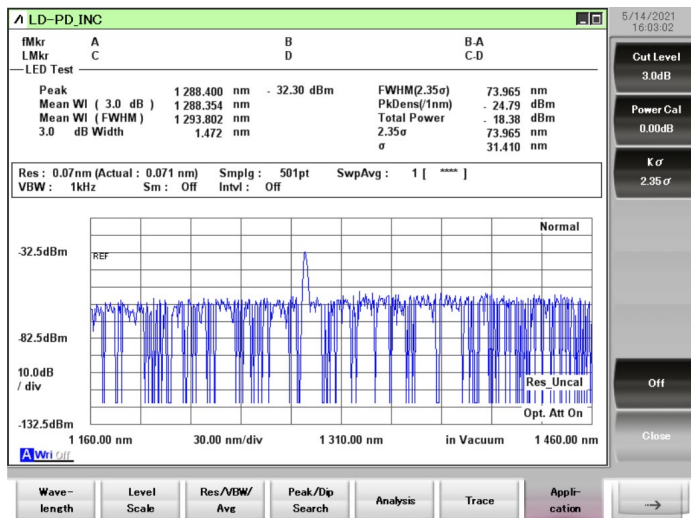
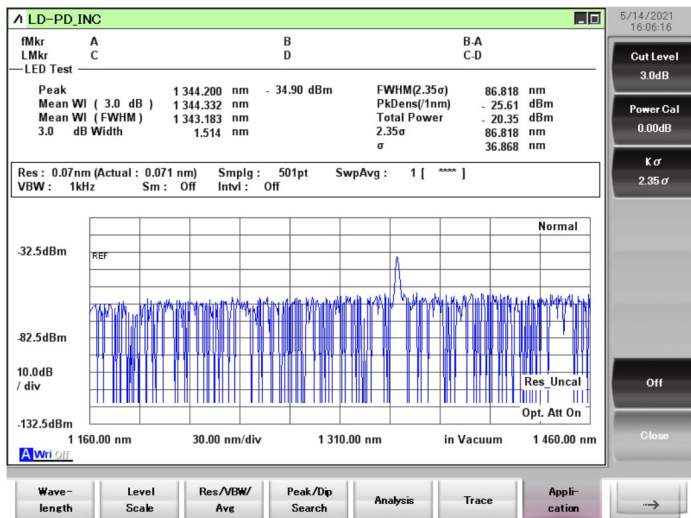
产品描述:

中心波长	1310nm $\pm$ 15nm	1550nm $\pm$ 20nm
调谐区间	160nm	
插入损耗 ¹	1.5dB typ., 2.5dB max. over 60nm tuning range and 3.0dB max. over 120nm tuning range (connector exclusive)	
FWHM 带宽	1.80nm, 1.50nm, 1.40nm, 1.20nm, 0.85nm, 0.80nm, 0.70nm, 0.60nm, 0.55nm, 0.50nm, 0.45nm, 0.40nm, 0.35nm, 0.30nm, 0.25nm, 0.20nm, 0.15nm, 0.10nm.	
波长分辨率	0.02nm	
波长重复性	$\pm$ 0.02nm	
PDL	0.08dB typ./0.15dB max over 60nm tuning range and 0.15dB typ./0.30dB max over 120nm tuning range (SM fibre pigtail only)	
消光比	20dB (Connector exclusive, PM fibre pigtail only)	
谱形	Gaussian-Shape	
Bandwidth Ratio of 3/20/30dB	~1/2.5/3.5	
带宽浮动值	$\pm$ 4% over 60nm and $\pm$ 6% over 120nm	
操作光功率 ²	500mW (CW) 1w/2w可选	
回波损耗	>45dB	
带外抑制	>45dB (Transmission peak to the average of background)	
PMD	<0.2ps (SM fiber pigtail only)	
Group Delay	<0.1ps/nm	
尾纤类型 ³	SMF-28e	
	Panda PM1300	Panda PM1550
操作温度	10° C to 50° C	
存储温度	-10° C to 75° C	
尺寸	See drawings below	
重量	<0.5kg typical	
其他	RoHS compliant	
注意事项	¹ Up to 200nm tuning range is available on request. ² High power version up to 5.0W (CW) is available on request. ³ PM fibres aligned in PM slow axes (fast-axis blocking) or specify others.	

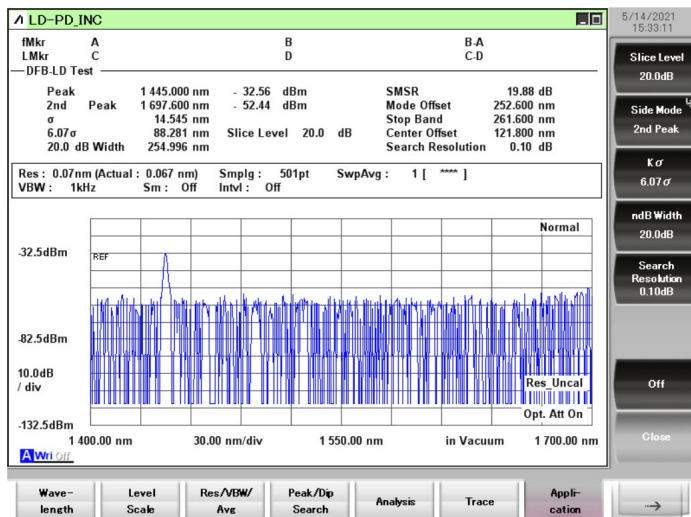
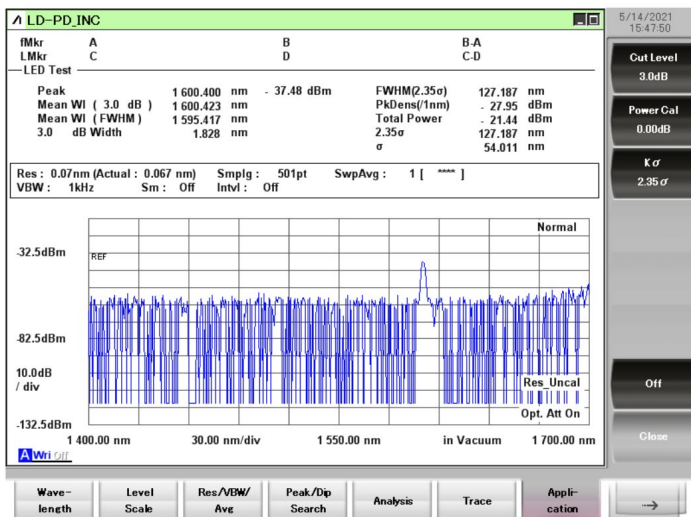


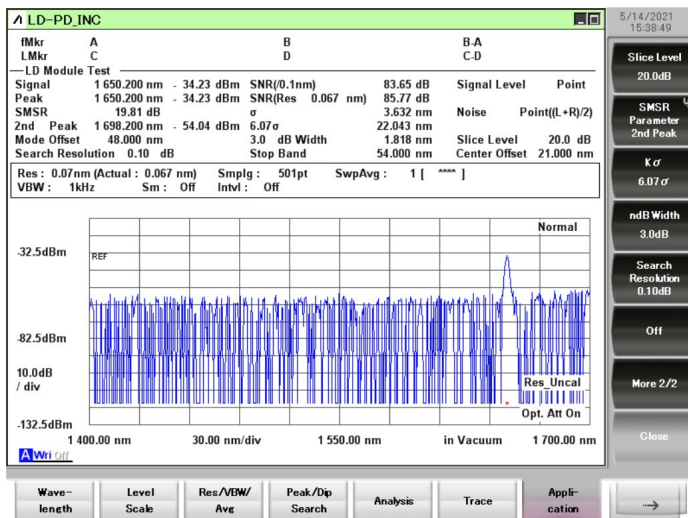
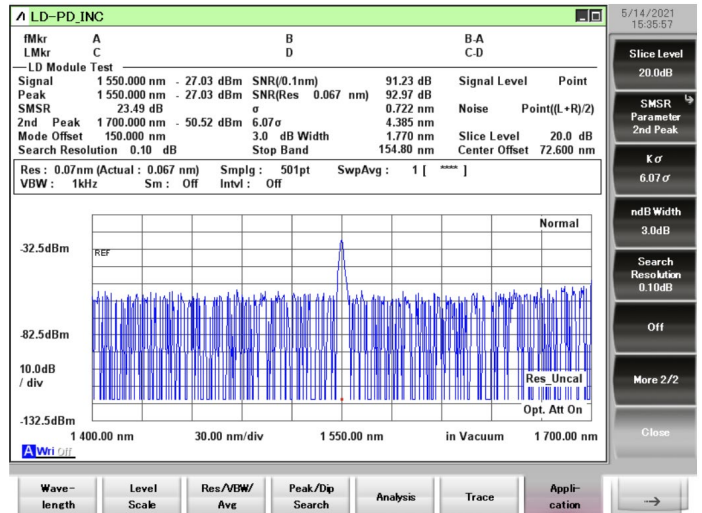
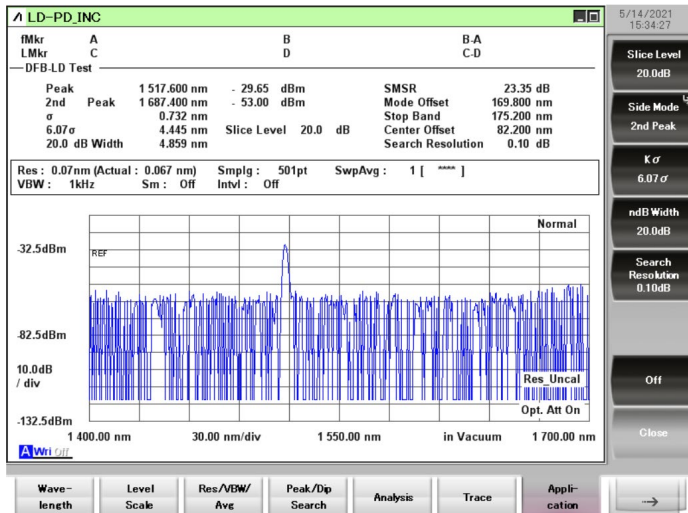
操作步骤及注意事项:

1310nm滤波器光谱分析

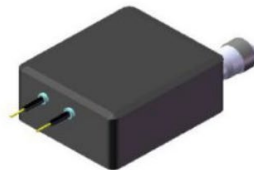
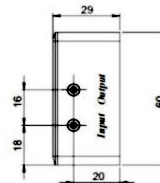
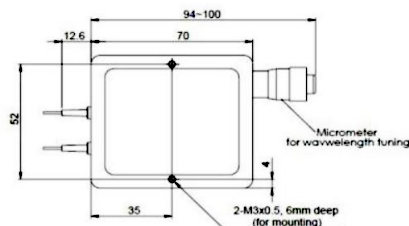


1550nm光谱分析图





尺寸图:



Notes Specifications:

1. Manual Tunable Optical Filter of S-Version (Pigtail only) over 980-1700nm
2. Down to 0.2nm FWHM (Gaussian-shape) Bandwidth.
3. Up to 80nm Tuning Range
4. 1.5dB typ. and 3.0dB max. Insertion Loss over Tuning Range
5. >45dB Return Loss
6. 0.15dB typ. and 0.30dB max. PDL (SM fiber pigtail only).
7. >20dB ER (PM fiber pigtail only)
8. 500mW (CW) max. Optical Input Power.