



785nm高斯型可调谐滤光器/滤波器



产品描述:

高斯形状可调谐光学滤波器 WLTF-NM (或-NE) -系列基于 结合衍射的自由空间光学 光栅产生带通传输。它是 2端口光纤尾纤设备。将宽带频谱注入输入端口时 可调滤波器将为 输出并抑制频谱的剩余频带。这个 所选波段的中心波长可调 通过精密测微计在一定范围内 驱动器或电动执行器。正在申请专利的光学设计提供了 带宽和调谐范围选项 前所未有的低插入损耗和极化 市场上的依赖损失 (PDL)。准确的调整机制使过滤器能够提供高 波长分辨率和出色的波长调谐重复性。手动和电动 版本过滤器可用于NIR波段 780-1000nm。

产品特点:

- ☀ 高达120nm波长调谐范围
- ☀ 低至0.07nm FWHM带宽
- ☀ 前所未有的低插入损耗和PDL
- ☀ 高光功率处理
- ☀ 在整个调谐范围内精确且均匀的带宽
- ☀ 高带外抑制

应用领域:

- ☀ ASE噪声抑制
- ☀ 量子光学
- ☀ WDM波长调谐
- ☀ 脉冲整形
- ☀ FBG传感器询问
- ☀ 可调谐光纤激光器

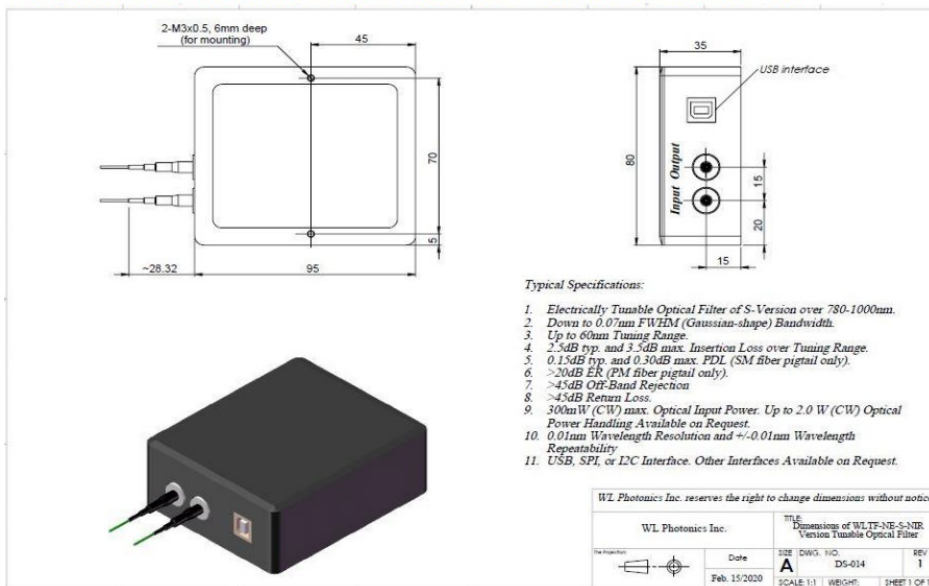
WLTF-NE-S或P型电调谐滤光片技术条件:

Central Wavelength	810nm,880nm,940nm or as per specified within 810-960nm	
Tuning Range	S-version	P-version
	60nm	120nm
Insertion Loss	2.5dB typ.and 3.5dB max.(connector exclusive)	
FWHM Bandwidth	1.00nm,0.90nm,0.80nm,0.70nm,0.60nm,0.50nm,0.40nm,0.30nm,	
	0.25nm,0.20nm,0.15nm,0.10nm,0.07nm or as per specified	
Wavelength Resolution	S-version	P-version
	0.01nm	0.001nm
Wavelength Repeatability	S-version	
	+/-0.01nm	
Max.Tuning Speed	40nm/Sec.	
Polarization-Dependent Loss	0.15dB typ. and 0.30dB max.(SM fibre pigtail only)	
Extinction Ratio	20dB (Connector exclusive,PM fibre pigtail only)	
Bandwidth Ratio of 3/20/30dB	~1/2.5/3.5	
Max.Optical Power	300mW(CW). Up to 2.0W(CW)power handling available on request	
Return Loss	>45dB	
Out-Band Suppression	>45dB(Transmission peak to the average of background)	
Polarization Mode Dispersion	<0.2ps (SM fibre pigtail only)	
Group Delay	<0.1ps/nm	
Pigtail Fibre Type2	SM fiber or PM fibre	
	Such as Nufern's 780HP,Panda PM 850 or specified others.	
Electric Interfacc	USB	
Operating Temp	10° C to 50° C	
Storage Temp	-10° C to 75° C	
Dimension	See drawings below	
Weight	<0.5kg	
Other	RoHS compliant	
Notes	1 High power version of up to 2.0W (CW) is available on request.	
	2 PM fibres aligned in PM slow axes (fast-axis blocking) as standard, otherwise as per the specified.	

WLTF-NM-P型手动可调谐滤光片规格:

中心波长	810nm、880nm、940nm或按规定在810-960nm范围内
调谐范围	60nm or 120nm
插入损耗	2.5dB typ.and 3.5dB max.(connector exclusive)
FWHM Bandwidth	1.00nm,0.90nm,0.80nm,0.70nm, 0.60nm, 0.50nm,0.40nm,0.30nm, 0.25nm,0.20nm,0.15nm,0.10nm, 0.07nm or as per specified.
波长分辨率	0.02nm
波长重复性	+/-0.02nm
偏振相关损耗	0.15dB typ./0.30dB max.(SM fibre pigtail only)
Extinction Ratio 消光比	20dB(Connector exclusive,PM fibre pigtail only)2
Out-Band Suppression 带外抑制	>45dB (Transmission peak to the average of background)
Bandwidth Ratio of 3/20/30dB 带宽比	~1/2.5/3.5
Optical Power Handling 光功率处理	300mW(Cw)'
Return Loss 回波损耗	>45dB
Polarization Mode Dispersion偏振模色散	<0.2pS (SM fiber pigtail only)
Group Delay	<0.1ps/nm
尾纤类型	SM fiber or PM fibre Such as Nufern's780HP or Panda PM 850, or specified others
Operating Temp	10 ° C to 50C
存储温度	-10 ° C to 75 ° C
Dimension	See drawings below
Weight	<0.5kg typical
Other	RoHS compliant
Notes	1、可根据要求提供高达2.0W (CW) 的大功率版本。 2、PM光纤按照标准在PM慢轴 (快轴阻塞) 中对齐。

Dimensions of Electric Tunable Filter of WLTF-NE-S-version with USB interface)



型号示例:

Part Number of Manual Version: WLTF-NM-**P-B-C/D-E-F/G-H**

Part Number of Electric Version: WLTF-NE-**A-B-C/D-E-F/G-H-I**

- A、电动版类型: P为P版; S代表S版本;
- B、调谐范围的中心波长为纳米: 890用于将调谐范围集中在890nm;
- C、纳米调谐范围: 60表示60nm调谐范围, 120表示120nm调谐波长范围;
- D、纳米级FWHM带宽: 0.15nm FWHM带宽为0.15;
- E、光纤类型: 单模光纤为SM, 熊猫保偏光纤为PM;
- F、尾光纤电缆直径(毫米): 0.25表示外径为250 μ m的缓冲光纤, 0.9表示外径为900 μ m的缓冲光纤松套管和3.0适用于外径为3.0mm的电缆;
- G、尾纤长度(米): 0.5表示0.5m长, 1.0表示1M长;
- H、尾光纤终端上的连接器类型: 如FC/APC、FC/UPC、SC/APC, 00表示否连接器;
- I、电动版过滤器接口类型: USB为USB接口, I2C为I2C接口, SPI用于SPI接口。