

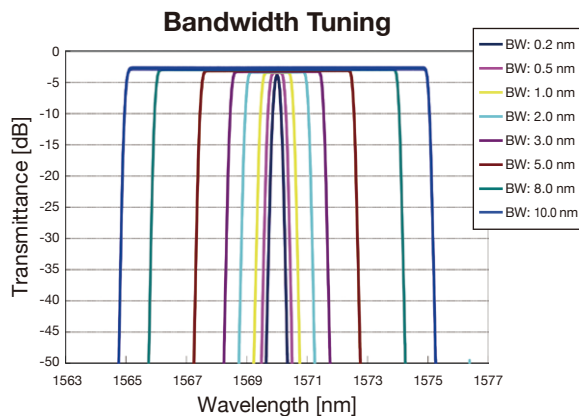
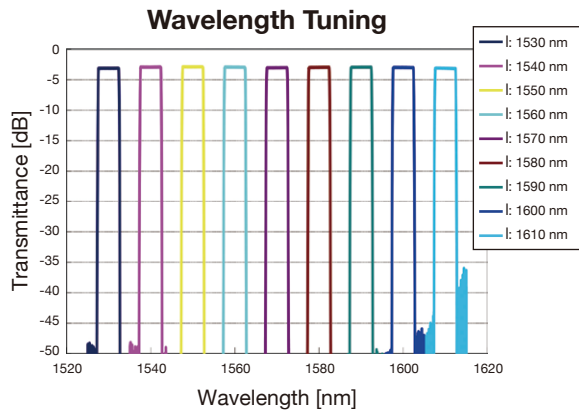
波长&带宽可调谐滤波器

OTF-350

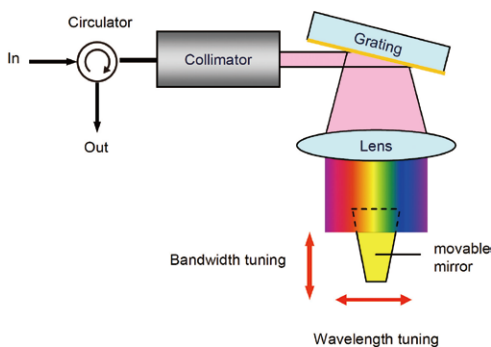
概要

OTF-350是一款多功能手动光学可调谐滤波器，波长和带宽独立可调。独立的高精度自由空间场和精准的可调节机制可实现优异的光控制和顶部平坦的通带形状。

测试数据



调谐机制



性能

- 波长可调谐范围: 80 nm
- 波长范围:
 - 1530-1610 nm (C&L 波段)
 - 1290-1330 nm (O 波段)
- 带宽: 0.2-10.0 nm (普通型号)
- 0.1-15.0 nm (宽带型号)
- 波长及带宽独立可调
- 顶部平坦滤波整形

应用

- 40 Gb/s, 100 Gb/s 传输测试
- WDM 波长调谐
- ASE 噪声抑制
- 脉冲整形
- 下一代光束波长交叉连接

性能指标

Normal type: BW 0.2 - 10 nm

Category	Parameter	Unit	Specification	Notes
Wavelength Characteristics	Wavelength Range	nm	1530 - 1610	
	Tuning Range	nm	80	
Filter Characteristics	Bandwidth @-3 dB	nm	0.2 - 10.0	
	Bandwidth @-20 dB	nm	≤ 0.6	Bandwidth@-3 dB = 0.2 nm
			≤ 11	Bandwidth@-3 dB = 10.0 nm
Group Velocity Dispersion	ps/nm	≤ ±1 (typ. ≤ ±0.2)		
Power Characteristics	Maximum Input Power	dBm	+25	
	Insertion Loss	dB	≤ 5 (typ. ≤ 3.5)	Bandwidth@-3 dB ≥ 0.5 nm
			≤ 7	Bandwidth@-3 dB < 0.5 nm
	Insertion Loss Uniformity (typ.)	dB	≤ 0.5	
	Return Loss	dB	≥ 40 (typ. ≥ 45)	
	Crosstalk (typ.)	dB	≥ 50	
PDL (typ.)	dB	≤ 0.25	SMF	
Fiber	Optical Fiber	-	SMF or PMF ^{*1}	
	Optical Connector	-	FC or SC	
	Optical Polish	-	SPC or APC	APC = Angled PC
Others	Dimensions (W) x (D) x (H)	mm	250 x 151 x 113	
	Weight	kg	3.5	

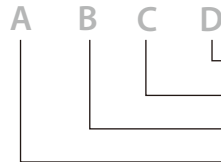
Wide type: BW 0.1 - 15 nm

Category	Parameter	Unit	Specification	Notes
Wavelength Characteristics	Wavelength Range	nm	1530 - 1610	
	Tuning Range	nm	80	
Filter Characteristics	Bandwidth @-3 dB	nm	0.1 to 15.0	
	Bandwidth @-20 dB	nm	< 0.4	Bandwidth@-3 dB = 0.1 nm
			≤ 15.5	Bandwidth@-3 dB = 15.0 nm
Group Velocity Dispersion	ps/nm	≤ ±1 (typ. ≤ ±0.2)		
Power Characteristics	Maximum Input Power	dBm	+25	
	Insertion Loss	dB	≤ 5 (typ. ≤ 3.5)	Bandwidth@-3 dB ≥ 0.2 nm
			≤ 7	Bandwidth@-3 dB < 0.2 nm
	Insertion Loss Uniformity (typ.)	dB	≤ 0.5	
	Return Loss	dB	≥ 40 (typ. ≥ 45)	
	Crosstalk (typ.)	dB	≥ 50	
PDL (typ.)	dB	≤ 0.25	SMF	
Fiber	Optical Fiber	-	SMF or PMF ^{*1}	
	Optical Connector	-	FC or SC	
	Optical Polish	-	SPC or APC	APC = Angled PC
Others	Dimensions (W) x (D) x (H)	mm	250 x 151 x 113	
	Weight	kg	3.5	

*1: In case of PMF, Polarization extinction ratio 20 dB (typ.), Polarization axis in alignment with connector key.

设备选型

OTF-350 - - - -



端口研磨: S: SPC / A: APC
 接口类型: FC: FC / SC: SC
 光纤类型: S: SMF / P: PMF
 滤波类型: N: 普通类型 / W: 宽带类型



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