

NEW

波長・帯域幅可変光フィルタ

OTF-350

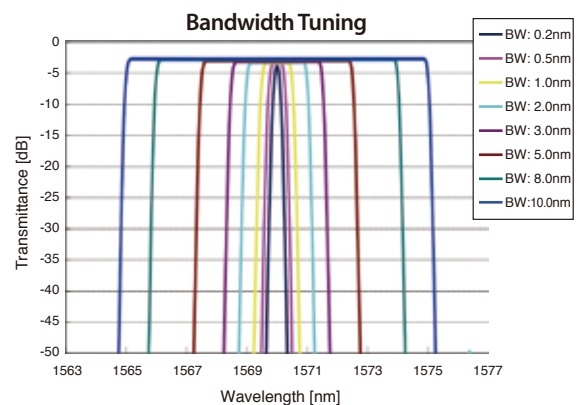
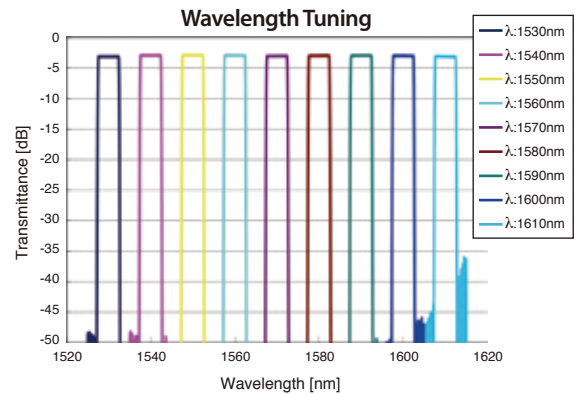
OTF-350は波長と透過帯域幅をそれぞれ独立に変えることができるマニュアルタイプの可変光フィルタです。回折格子をベースとしたユニークな高精度可変メカニズムにより、フラットトップな透過フィルタスペクトルと優れた光学特性を実現しております。

特徴

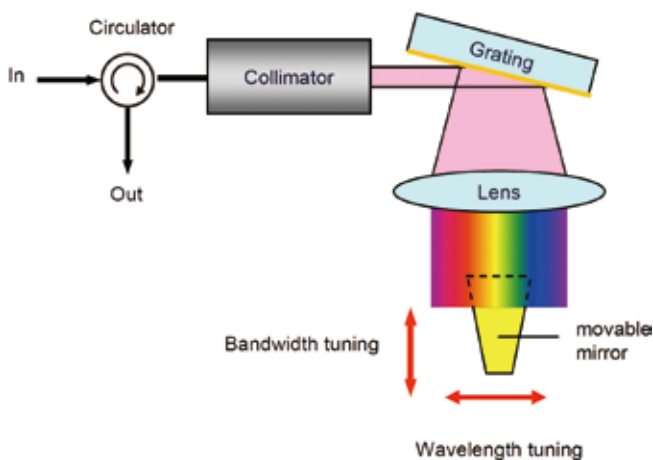
- ▶ 波長可変幅:80nm
- ▶ 波長可変範囲:1530-1610nm(C&L Band)
- ▶ バンド幅可変範囲:0.2-10.0nm(標準タイプ)
- ▶ バンド幅可変範囲:0.1-15.0nm(ワイドタイプ)
- ▶ 中心波長と透過帯域幅をそれぞれ独立に、連続可変可能
- ▶ フィルタ特性は矩形に近いフラットトップかつ急峻なカットオフ

用途

- ▶ 40Gb/s、100Gb/s伝送試験
- ▶ 波長多重された光信号の波長選択
- ▶ 信号光帯域幅に適応したノイズカット
- ▶ Pulse shaping
- ▶ 次世代光波長クロスコネクタ



動作原理



Specifications

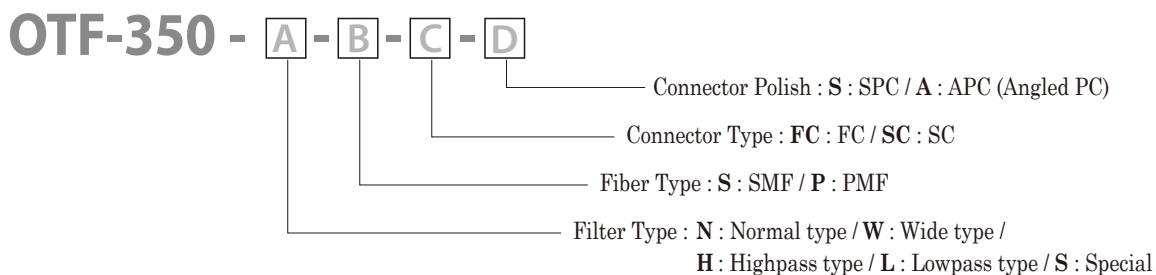
Normal type:BW0.2-10nm

Category	Parameter	Unit	Specification	Notes
Wavelength Characteristics	Wavelength Range	nm	1530 to 1610	
	Tuning Range	nm	80	
Filter Characteristics	Bandwidth @-3dB	nm	0.2 to 10.0	
	Bandwidth @-20dB	nm	≤ 0.6	Bandwidth@-3dB = 0.2nm
			≤ 11	Bandwidth@-3dB = 10.0nm
Group Velocity Dispersion	ps/nm	$\leq \pm 1$ (Typ. $\leq \pm 0.2$)		
Power Characteristics	Maximum Input Power	dBm	+25	
	Insertion Loss	dB	≤ 5 (Typ. ≤ 3.5)	Bandwidth@-3dB ≥ 0.5 nm
			≤ 7	Bandwidth@-3dB < 0.5nm
	Insertion Loss Uniformity (Typical)	dB	≤ 0.5	
	Return Loss	dB	≥ 40 (Typ. ≥ 45)	
	Crosstalk (Typical)	dB	≥ 50	
PDL (Typical)	dB	≤ 0.25		
Fiber	Optical Fiber	-	SMF	
	Optical Connector	-	FC or SC	
	Optical Polish	-	SPC or APC	APC = Angled PC
Others	Dimensions (Width x Height x Length)	mm	250x113x151	
	Weight	kg	3.5	

Wide type:BW0.1-15nm

Category	Parameter	Unit	Specification	Notes
Wavelength Characteristics	Wavelength Range	nm	1530 to 1610	
	Tuning Range	nm	80	
Filter Characteristics	Bandwidth @-3dB	nm	0.1 to 15.0	
	Bandwidth @-20dB	nm	≤ 0.4	Bandwidth@-3dB = 0.1nm
			≤ 15.5	Bandwidth@-3dB = 15.0nm
Group Velocity Dispersion	ps/nm	$\leq \pm 1$ (Typ. $\leq \pm 0.2$)		
Power Characteristics	Maximum Input Power	dBm	+25	
	Insertion Loss	dB	≤ 5 (Typ. ≤ 3.5)	Bandwidth@-3dB ≥ 0.2 nm
			≤ 7	Bandwidth@-3dB < 0.2nm
	Insertion Loss Uniformity (Typical)	dB	≤ 0.5	
	Return Loss	dB	≥ 40 (Typ. ≥ 45)	
	Crosstalk (Typical)	dB	≥ 50	
PDL (Typical)	dB	≤ 0.25		
Fiber	Optical Fiber	-	SMF	
	Optical Connector	-	FC or SC	
	Optical Polish	-	SPC or APC	APC = Angled PC
Others	Dimensions (Width x Height x Length)	mm	250x113x151	
	Weight	kg	3.5	

Ordering Code



www.santec.com E-Mail : sales@santec.com

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santec株式会社

フォトニクスバレー大草キャンパス 〒485-0802 愛知県小牧市大草年上坂5823 Tel. 0568-79-3536 (営業直通) Fax 0568-79-1718

SANTEC U.S.A. CORPORATION

433 Hackensack Ave., Hackensack, NJ, 07601, U.S.A. Toll Free +1-800-726-8321 (santec-1) Tel. +1-201-488-5505 Fax +1-201-488-7702

SANTEC EUROPE LIMITED

Magdalen Centre, Robert Robinson Ave., The Oxford Science Park, Oxford OX4 4GA, U.K. Tel. +44-1865-784960 Fax +44-1865-784961

SANTEC (SHANGHAI) Co., Ltd.

No.800 Zhangyang Road Changhang Tower, Pudong District, Shanghai 200122 China Tel: +86-21-58361261, +86-21-58361262 Fax: +86-21-58361263