

C&L&O 波段可调谐滤波器



OTF 系列是可覆盖 O 或 CL 通讯波段内的可调滤波器。采用了独有的“Linear Sliding”技术使得在 PDL，带宽和插入损耗等光学特性恒定不变的情况下，进行精确持续的波长调谐和带宽调谐。独立的高精度自由空间场和精确的可调剂机制可实现平顶形状，高斯形状或任意波形。

应用

100Gbp/s, 400Gbp/s 传输测试

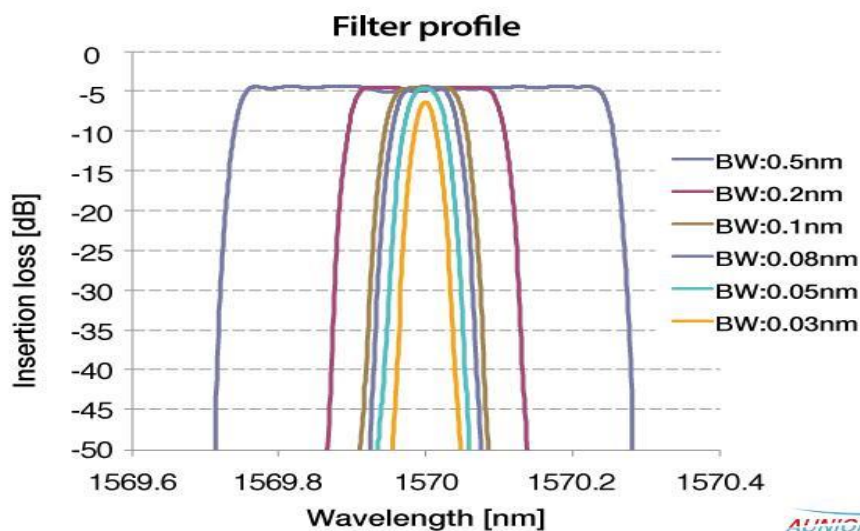
DWDM、OFDM 通道滤波

ASE 噪声过滤

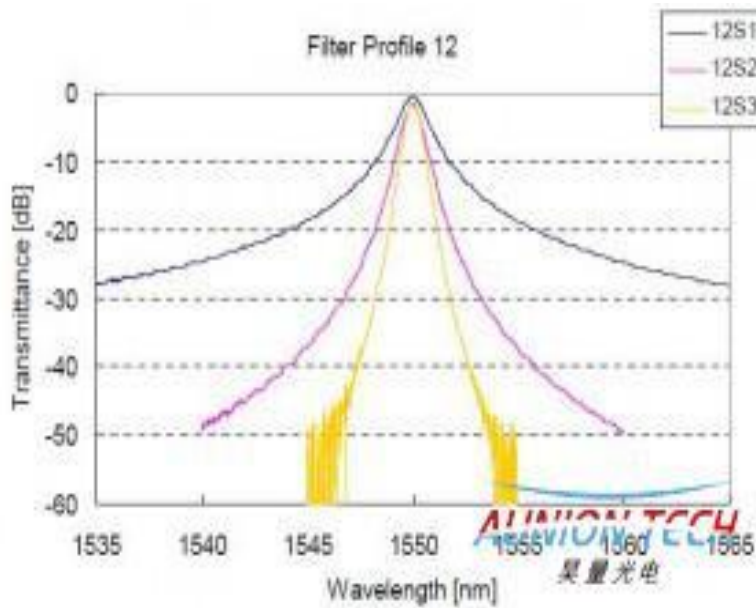
OXC

相干光源







平顶整形



高斯整形



选型指南

	WSS-1000	OTF-980	OTF-970	OTF-350	OTF-930	OTF-320
Model						
Filter Type	Grating	Grating	Grating	Grating	Thin-Film	Thin-Film
Filter Profile	Arbitrary profile	Top flat Sharpest slope	Top flat	Top flat	Gaussian	Gaussian
Filter Slope	400dB/nm	Standard: 200dB/nm Ultrafine: 500dB/nm Ultrafine plus: 1000dB/nm	Standard: 200dB/nm Ultrafine: 400dB/nm	Wide Type: 200dB/nm	-	-
Control	Programmable	Programmable Touch screen	Programmable	Manually	Programmable	Manually
Wavelength	C or L-band /35nm	C&L-band /85nm	C&L-band /85nm	C&L-band /80nm* O-band /40nm	C&L-band /80nm*	C&L-band /80nm C-band /40nm

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					O-band /80nm	L-band /40nm* O-band /40nm
Bandwidth	Tunable	Tunable	Tunable	Tunable	Fixed/Select	Fixed/Select

OTF-980

Category	Parameter	Unit	Standard	Ultrafine	Ultrafine-Plus	
Wavelength Characteristics	Wavelength Range	nm	1525 to 1610			
	Accuracy	nm	±0.05 (typ.±0.03)			
	Repeatability *1	nm	±0.01 (typ.±0.005 *4)			
	Setting Resolution	nm	0.001			
Filter	Bandwidth @-3dB	nm	0.1 to 15	0.08 to 4	0.05 to 3	
	Accuracy	nm	±0.05 (typ.±0.03)			
	Repeatability *1	nm	±0.01			
	Setting Resolution	nm	0.001			
	Filter slope *2 (typ.)	dB/nm	200	500	1000	
Power Characteristics	Muximum Input Power *3	dBm	+27			
	Insertion Loss	Bandwidth ≥0.2nm	dB	5 *5, 6 (typ. 3.5)		6 *5, 7 (typ. 5)
		Bandwidth <0.2nm	dB	7 *5, 6 (typ. 5.5)		8 *5, 7 (typ. 7)
	Crosstalk (typ.)		dB	50		

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	Polarization Dependent Loss (typ.)	dB	0.2
	Peak Search Function (Option)	-	Yes
Interface	Communication	-	GP-IB (IEEE488.2), USB & Ethernet
	Display		5.6 inch resistive touch-screen (res. 640×480)
	Optical Fiber		SMF
	Optical Connector		FC or SC
	Optical Polish		SPC or APC (Angled PC)
Environmental Conditions	Operating Temperature	degC	15 to 35
	Operating Humidity	%	<80
Power Supply	Voltage	V	AC100~240±10%
	Frequency	Hz	50/60
	Power Consumption	VA	100
Others	Dimensions (W) x (D) x (H)	mm	210 x 350 x 133
	Weight	kg	8.5

更多型号参数, 请联系陈工(18516251865) jiabin-chen@auniontech.com

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