

Optical Tunable Filter

Product Description

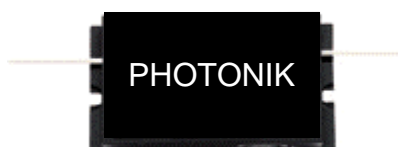
Features

- Low insertion loss
- High resolution
- Narrow bandwidth

Continuous and stable passband tuning is achieved by adjusting angle of incidence of an interference filter. PHOTONIK's high performance tunable optical filter will offer a clear solution to fiber amplifier systems and narrow band WDM applications.

Applications

- Fiber amplifier
- DWDM system
- Tunable Light source

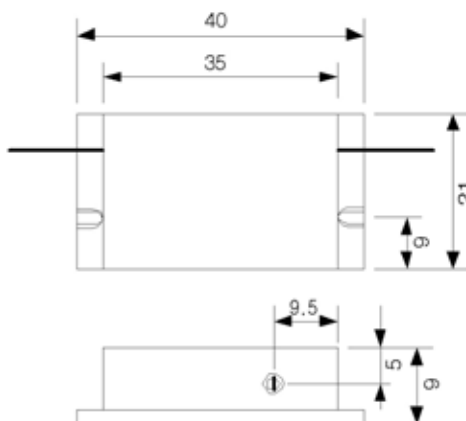


Performance Specifications

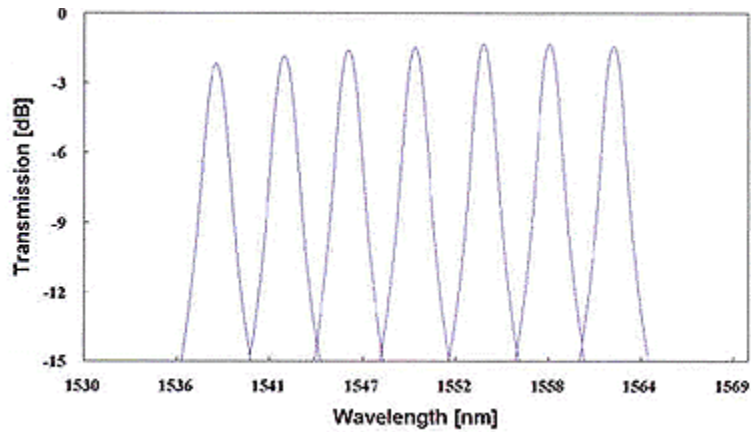
Parameter	Unit	Specification				
		Type 1	Type 2	Type 3	Type 4	
3-dB Bandwidth(@ λ_{MAX})	nm	0.45	0.75	1.25	5.85	
20-dB Bandwidth(@ λ_{MAX})	nm	4.5	7.2	8.9	17.6	
Wavelength Range	Min	nm	1540 to 1560	1540 to 1560	1540 to 1560	1540 to 1558
Insertion Loss*(@ λ_{MIN})	Max	dB	6	3	3	3
Optical Return Loss	Min	dB	50			
Maximum Power Handling	Max	mW	300			
Operating Temperature	°C	0 to +65				
Storage Temperature	°C	-40 to +85				

* Values exclude connector loss and include PDL
The specifications may be changed without notice.

Packaging Dimensions (unit: mm)







Spectral Characteristics



[Optical Tunable Filter - Type 3]

Ordering Information

POTF	-		-		-		-	
		3-dB Bandwidth		Fiber Type		Fiber Length		Connector Type
		1=Type 1		1=900um Loose Tube		1=1m		1=None
		2=Type 2		SMF-28, 1550nm		5=1.5m		2=FC/PC
		3=Type 3		2=400/900um Tube		X=Cusotm		3=FC/APC
		4=Type 4		PM(Panda), 1550nm				4=SC/PC
								5=SC/APC
								6=ST
								7=LC
								8=MU

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