Tunable Optical Filter

Features / Benefits

- 40nm wavelength tuning range
- Operating wavelength: C, L or S band
- Low insertion loss
- Low PDL
- Cost-effective
- Tuning with micrometer or stepper motor

Applications

- Tuning components for tunable laser and white light source
- Optical testing
- Sensor source
- Channel selection in WDM network

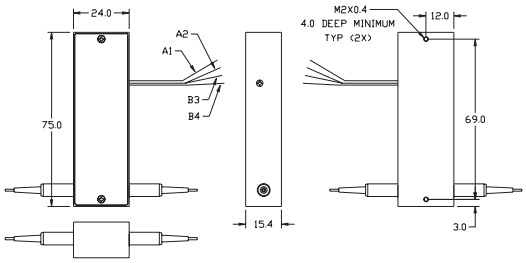
Specifications

Parameters	Unit	C-band	L-band	S-band	O-band
Nominal Wavelength	nm	1520 - 1565	1570 - 1610	1485 - 1520	1290 - 1320
Maximum Insertion Loss	dB	< 2.7			
PDL*	dB	< 0.1			
Optical Return Loss	dB	> 50			
Bandwidth*	-	<1.2nm @ 3dB down, 10nm @ 20dB down			
Tuning Resolution*	-	continuously tunable for manual type 0.01 nm for stepper motor			
Operating Temperature	°C	0 to 70			
Storage Temperature	°C	-40 to 85			
Dimension	mm	24 x 50 x 15 (manual type) 24 x 75 x 15.4 (stepper motor)			

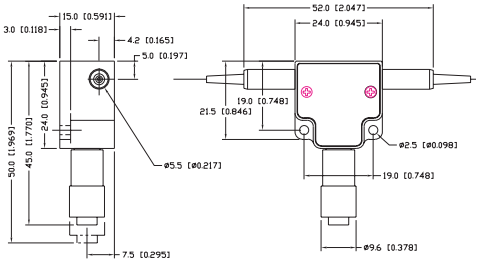
Note: All specification referenced without connectors
* Measured at the wavelength of 1550nm for C-band

Dimensions

Stepper motor



Manual type



Units: mm (inch)

Ordering Information

T	O	T	F			0	1	2	0	0	0			

Type
M= manual
S= stepper motor

Wavelength
C = C-band
L = L-band
S = S-band
O = O-band

Fiber Type
0= SMF-28

Fiber Length
1= 1.0m
5= 1.5m

Pigtail Type
0= 250µm bare fiber
1= 900µm loose tube

Connector
0= None
1= FC/UPC
2= FC/APC
3= SC/UPC
4= SC/APC
5= LC/UPC
6= MU/UPC

This product information is subject to change without notice.