

### Key Features

- Set & free tunable filter
- Down to 0.08nm bandwidth possible

### Applications

- Fiber Optic Transmission ASE Filtering
- Optical Channel Selection
- Fiber Laser Wavelength Selection



Category	Parameter	Specification				
		Sub Number	Min.	Typ.	Max.	Unit
Optical	Operating Center Wavelength	ALL	980		1670	nm
	Tuning Range	B1	10			nm
		B2 ~ B6	20			nm
	3dB Bandwidth (BP Port)	B1	0.08	0.1	0.15	nm
		B2 ~ B6		0.2 ~ 0.6 +/-0.05		nm
	Peak Insertion Loss @ BP Port <sup>(1)</sup>	B1	3.5		8	dB
		B2 ~ B6		2.5	3.5	dB
	Insertion Loss Variation	ALL	0.2		0.5	dB
	Out of Band Suppression (OBS) <sup>(2)</sup>	ALL	23	26		dB
	Rejection Ratio @ BR Port <sup>(3)</sup>		2 to 6 (BW~0.1nm)	10 to 15 (BW~0.2-0.4nm)	13 to 20 (BW~0.5-0.6nm)	dB
Power Handling (CW) <sup>(4)</sup>	ALL			300	mW	
Fiber type		SMF or Panda PMF				
Input/Output Optical connector		FC/UPC, FC/APC, SC/UPC, SC/APC				
Recommended Operating Conditions	Operating Temperature		+20 ~ +40		°C	
	Storage Temperature		0 to +60		°C	
Physical	Dimension (WxHxD)		140 x 65 x 210		mm	
	Weight		1.2		kg	

Note: (1) Include circulator loss, exclude connector loss. (2) OBS is calculated outside the  $\lambda_c \pm 1\text{nm}$  range. (3) There will be slight cladding-mode loss of 1 to 3 dB on the short wavelength side at  $\sim 2$  to 5nm from the center wavelength. (4) High power option available.

### Order Instruction

Model LOF-100-XXXX-BY-ZZ-CC  
 XXXX: Center wavelength  
 Y: 1=0.1nm, 2=0.2nm, 3=0.3nm,  
 4=0.4nm, 5=0.5nm, 6=0.6nm  
 ZZ: SM=Single Mode Fiber  
 PM=Polarization Maintaining Fiber  
 CC: FU=FC/UPC, FA=FC/APC  
 SU=FC/UPC, SA=SC/APC

