

## O-band Narrow Bandwidth-Variable Tunable Filter

### BVF-300BO-SM/PM

- O-band coverage 1260nm~1360nm
- Sharp roll-off: 500dB/nm, FWHM of 0.05nm~3nm
- Flexible: both bandwidth- and wavelength-tunable



### Specifications

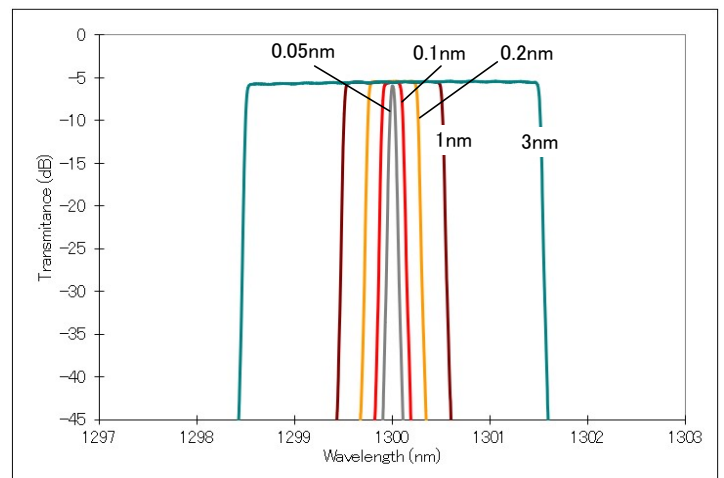
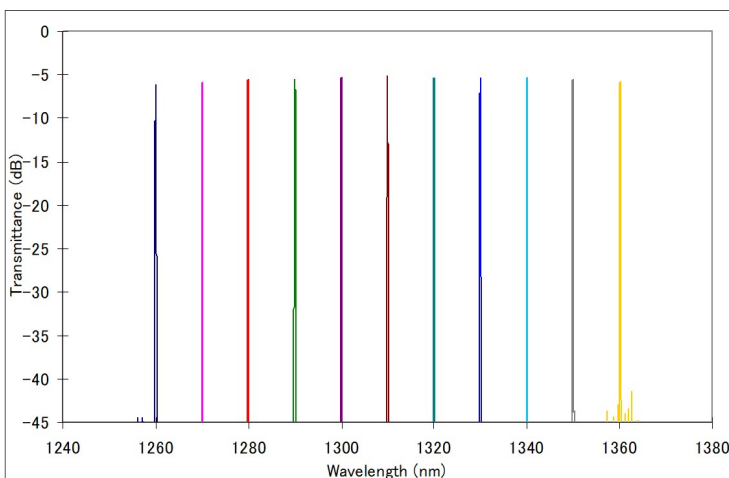
Parameter	Specification			
	Min.	Typ.	Max.	Unit
3dB bandwidth tunability	0.05		3	nm
	8.75		525	GHz
Filter-edge roll-off <sup>(1)</sup>	300	500		dB/nm
Center wavelength tunability	1260		1360	nm
Insertion Loss <sup>(2)</sup>	(3dB Bandwidth > 0.1nm)	6.5	7.5	dB
	(3dB Bandwidth = 0.05nm)	7.5	8.5	dB
Return loss	40	45		dB
Out-of-band suppression	35	40		dB
Polarization dependent loss (PDL) (SMF-type only)		0.2	0.3	dB
Polarization extinction ratio (PER) (PMF-type only)	20			dB
Maximum input power			500	mW
Optical Fiber	SMF or PMF			
Optical connector	FC or SC, SPC or APC			
Dimension (W x H x D) <sup>(3)</sup>	236 x 88 x 380			
Weight	7			

(1) Calculated between -3 dB and -40 dB points.

(2) May increase by < 0.5 dB due to connector losses.

(3) Not including protruding parts.

The above specifications are guaranteed at ambient temperature of 25 +/- 1 °C. The above specifications may change without prior notice.



### Options

- Dual-channel filter (Filter out 2 wavelengths from the spectrum, available for manual version only.)
- Please inquire for other customizations.

### Ordering Information

**BVF-300BO-SM(PM)-XX**

XX= FS, FA, SS, SA