

O-band Narrow Bandwidth-Variable Tunable Filter

BVF-300BO-SM

- O-band coverage 1260 ~ 1360nm
- Sharp roll-off: 500dB/nm, FWHM of 0.05 ~ 5nm
- Flexible: both bandwidth- and wavelength-tunable



Specifications

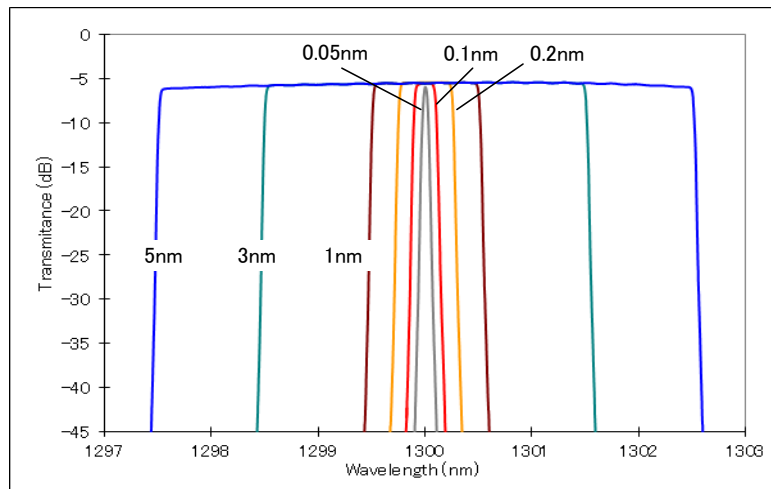
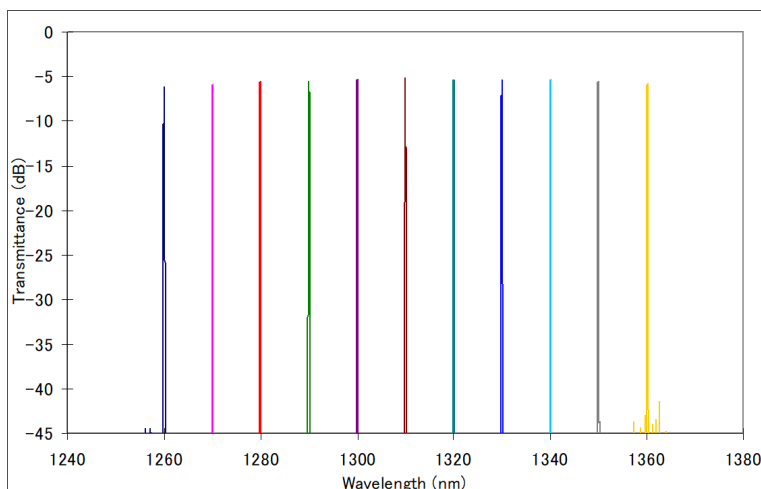
Parameter	Specification			
	Min.	Typ.	Max.	Unit
3dB bandwidth tunability	0.05		5	nm
	6		600	GHz
Filter-edge roll-off ⁽¹⁾	300	500		dB/nm
Center wavelength tunability	1260		1360	nm
Insertion Loss ⁽²⁾	(3dB Bandwidth > 0.1nm)	5.5	6.5	dB
	(3dB Bandwidth = 0.05nm)	6.5	7.5	dB
Return loss	40	45		dB
Out-of-band suppression	40	45		dB
Polarization Dependent Loss (PDL)		0.25	0.35	dB
Maximum input power			500	mW
Optical Fiber	SMF-28 Ultra			
Optical connector	FC or SC, SPC or APC			
Dimension (W x H x D) ⁽³⁾	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-XX

XX= FS, FA, SS, SA