

## 1078nm High Power Multimode Bandpass Filter

### FEATURES

- ▣ High Isolation
- ▣ Low Insertion Loss
- ▣ High Reliability and Stability
- ▣ Various Bandwidth
- ▣ High Optical Power

### APPLICATIONS

- ▣ Broadband Systems
- ▣ Optical Amplifying Systems
- ▣ Telecommunication Networks
- ▣ Laser Systems
- ▣ Research Labs



### SPECIFICATIONS

Parameters	Unit	Value
Center Wavelength	nm	1078
Min. Pass Band Width @ 0.5dB	nm	9.0
Insertion Loss over Pass Band Wavelength	dB	≤1.2
Stop Wavelength (ASE)	nm	1000~1069&1087~1120
Stop Wavelength (ASE)      Standard	dB	≥25
Isolation      High Isolation	dB	≥45
ASE Direction	-	F: Forward, B: Backward, T: Two-way
Configuration	-	D: 2-port, Y: 3-port, X: 4-port
Optical Return Loss	dB	≥30
Fiber Type      Input&Output	-	50/125um or 62.5/125um MM Fiber
	-	50/125um MM OM3 Fiber
	-	105/125um MM Fiber
ASE Guide Out (Y/X Type)	-	Same Fiber
Fiber Tensile Load	N	5
Max. Optical Power (CW, ASE+Signal)	W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60, 80, 100
Max. ASE Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 4, 5, 10
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension      Stainless Steel Tube (SST)	mm	∅5.5x <sup>L</sup> 35 (≤5W); ∅6.0x <sup>L</sup> 50 (5~10W)
	mm	<sup>L</sup> 90x <sup>W</sup> 12x <sup>H</sup> 10 (>10W); <sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 10 (≤10W)

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB higher, RL is 10dB lower.
  3. Specifications are tested at low order modes.
  4. Suggest to use Y/X type or H Box if blocked optical power is ≥1W.
  5. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  6. Devices for higher optical power or with other type fiber or consigned fiber are also available.
  7. Package size may be different for different optical power and configurations.

### ORDERING INFORMATION (PN)

Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Optical Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
90~9nm	B=Backward T=Two-way Blank for Forward	I=High Isolation Blank for	Y=Same Fiber N=None Blank for D Type	Y=Same Fiber Blank for None or D Type	1=1W 5=5W 10=10W 20=20W	1=1W 5=5W 10=10W Blank for 300mW	M=Metal Box H=H Box Blank for SST	5= 50/125um MM Fiber 6= 62.5/125um MM Fiber 3= OM3 MM Fiber A= 105/125um, NA=0.22 B=105/125um, NA=0.15	B= Bare fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector