

## 1560nm Bandpass Filter for Pulse Power

### 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	1560	
Min. Pass Band Width @ 0.5dB	nm	0.12, 0.3, 0.7, 1.0, 2.0, 5.0, 7.0, 10, 20, 80	
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop Wavelength (ASE)	0.12nm Bandwidth	nm	1500~1559.4 & 1560.6~1610
	0.3nm Bandwidth	nm	1500~1559 & 1561~1610
	0.7nm Bandwidth	nm	1500~1558.5 & 1561.5~1610
	1nm Bandwidth	nm	1500~1558 & 1562~1610
	2nm Bandwidth	nm	1500~1557 & 1563~1610
	5nm Bandwidth	nm	1500~1555 & 1565~1610
	7nm Bandwidth	nm	1500~1553 & 1567~1610
	10nm Bandwidth	nm	1500~1550 & 1570~1610
	20nm Bandwidth	nm	1500~1545 & 1575~1610
80nm Bandwidth	nm	1400~1508 & 1612~1650	
Stop Wavelength (ASE) Isolation	Standard	dB	≥25
	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		≥50
Polarization Dependent Loss	dB		≤0.15
Fiber Type	Input&Output	-	SMF-28 Fiber or 10/130um DC Fiber NA=0.08 (O) 10/130um DC Fiber NA=0.15 (O2) or 12/130um DC Fiber (T) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)
	ASE Guide Out (Y/X Type)	-	Same Fiber or MM Fiber
Fiber Tensile Load	N		5
Max. Average Optical Power (ASE+Signal)	W		0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 50, 60, 80, 100
Max. Peak Power for pulse	kW		0.1, 1, 2, 3, 5, 10, 15, 20
Max. ASE Average Power	W		0.3, 0.5, 1, 2, 3, 4, 5, 10
Operating Temperature	°C		0~70
Storage Temperature	°C		-40~85
Package Dimension	Stainless Steel Tube	mm	∅5.5xL35 (≤5W); ∅6.0xL50 (5~10W)
	Metal Box	mm	H: L90xW12xH10 (>10W); M: L120xW12xH10 (≤10W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
  - Suggest to use Y/X type or H Box if blocked optical power is ≥1W.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
  - Package size may be different for different fiber type, optical power and configurations.

### ORDERING INFORMATION (PN)

Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Average Power	Peak Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
07-0.7nm	B-Backward	I-High	Y=Same Fiber	Y=Same Fiber	03-300mW	01-100W	1- 1W	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
50=5nm	T=Two-way	Isolation	A=105/125um Fiber	A=105/125um Fiber	1- 1W	1- 1kW	5- 5W	H=H Box	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
100=10nm	Blank for Forward	Blank for	N=None	5=50/125um Fiber	5- 5W	10- 10kW	10-10W	Blank for SST	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
200=20nm		Standard	Blank for D Type	Blank for None or D Type	20=20W	20=20kW	Blank for 300mW		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

