

Optizone High Power Filter Wavelength Division Multiplexer 5598nm~5155nm

Features

- Low Insertion Loss
- Low Polarization Dependence
- High Isolation
- Excellent Environmental Stability
- High Power Handling Capability

Applications

- EDFAs
- Raman Amplifier
- WDM Networks
- Fiber Optics Instrumentation

Specifications

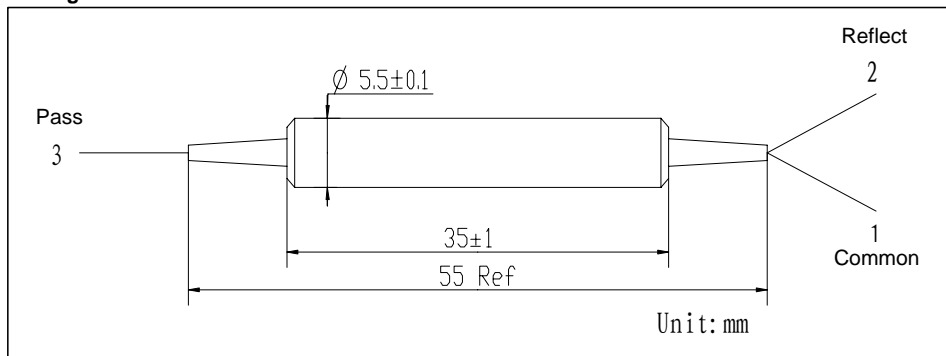
Parameters		Unit	Values			
Pass Band	Wavelength Range	nm	1270-1350 (1530-1600)	1450-1490 (1530-1580)	1500-1520 (1530-1570)	950-1010 (1500-1600)
	Typ. Insertion Loss	dB	0.6	0.6	0.7	0.7
	Max. Insertion Loss	dB	0.8	0.8	0.9	0.9
	Typ. Isolation	dB	35	30	35	35
	Min. Isolation at 23C	dB	30	25	30	30
Reflection Band	Wavelength Range	nm	1530-1600 (1270-1350)	1530-1580 (1450-1490)	1530-1570 (1500-1520)	1500-1600 (950-1010)
	Typ. Insertion Loss	dB	0.5			
	Max. Insertion Loss	dB	0.7			
	Typ. Isolation	dB	15			
	Min. Isolation at 23C	dB	12			
Min. Optical Return Loss		dB	50			
Max. PDL		dB	0.1			
Typ. PDL		dB	0.05			
Thermal Stability		dB/°C	≤0.005			
Max. Optical Power (CW)		W	1, 2, 3 or Specify			
Max. Peak Power for ns Pulse		kW	10			
Max. Tensile Load		N	5			
Fiber Type			SMF-28e Fiber for all ports			SMF-28e Fiber for pass port; HI 1060 Fiber for common and reflect ports.
Operating Temperature		°C	-5 to +70			
Storage Temperature		°C	-40 to +85			

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower and optical power is only 1000mW(CW).

*SMF-28e Fiber is used for 1550nm interface and HI 1060 Fiber is used for 980nm channel.

Package Dimensions



Ordering Information

HPFWDM-①①①①-②②-③③③-④④④-⑤

①①①①: Wavelength

- 3155 - 1310nm Pass / 1550nm Reflect
- 5531 - 1550nm Pass / 1310nm Reflect
- 4855 - 1480nm Pass / 1550nm Reflect
- 5548 - 1550nm Pass / 1480nm Reflect
- 5155 - 1510nm Pass / 1550nm Reflect
- 5551 - 1550nm Pass / 1510nm Reflect
- 5598 - 1550nm Pass / 980nm Reflect

②②: Handling Power

- 01 - 1W
- SS - Specify

③③③: Connector Type on Port 1, 2 & 3

- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- N - None
- S - Specify

④④④: Fiber Jacket on Port 1, 2 & 3

- B - 250um Bare Fiber
- L - 900um Loose Tube
- S - Specify

⑤: Fiber Length

- 1 - 1.0m