

**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**

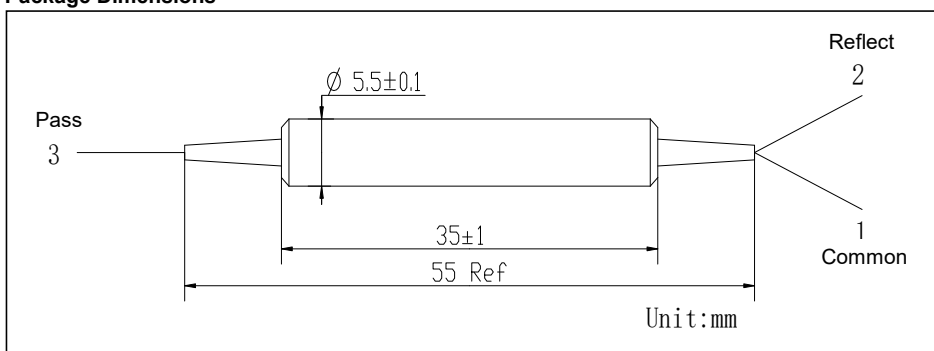
Parameters		Unit	Values			
Pass Band	Wavelength Range	nm	1270-1350 (1530-1600)	1450-1490 (1530-1580)	1500-1520 (1530-1570)	950-1010 (1500-1600)
	Typ. Insertion Loss	dB	0.6	0.6	0.7	0.7
	Max. Insertion Loss	dB	0.8	0.8	0.9	0.9
	Typ. Isolation	dB	35	30	35	35
	Min. Isolation at 23°C	dB	30	25	30	30
Reflection 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 23°C	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-①①①①-②②-③③③③-④④④④-⑤-⑥⑥-⑦⑦**

**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

**③③③③: Connector Type on Port 1, 2 & 3**

- 1B - FC/UPC
- 2B - FC/APC(Step)
- N - None
- S - Specify

**⑤: Fiber Length**

- 1 - 1.0m

**⑥⑥: Fiber Type**

- 01 - SMF-28e
- 05 - Pump&Common HI1060. Signal SMF-28e
- S - Specify

**②②: Handling Power**

- 05 - 5W
- 10 - 10W
- SS - Specify

**④④④④: Fiber Jacket on Port 1, 2 & 3**

- B - 250um Fiber
- C - 900um Loose Tube(Red)
- F - 900um Loose Tube(White)
- S - Specify

**⑦⑦: Package Dimensions**

- X - No Package
- 01 - Ø5.5x35