

## Isolator+ WDM Hybrid Device (IWDM)

**Features:**

Wide Operating Wavelength  
 Low IL & PDL & High Isolation  
 High Stability and Reliability

**Application:**

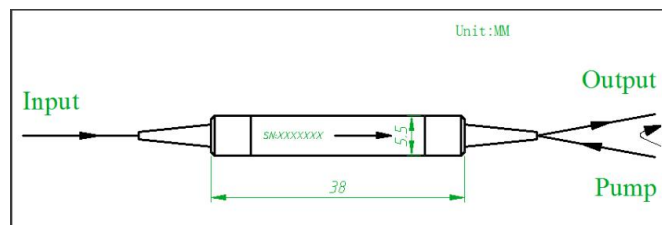
Fiber Amplifier  
 Fiber optic Instrument

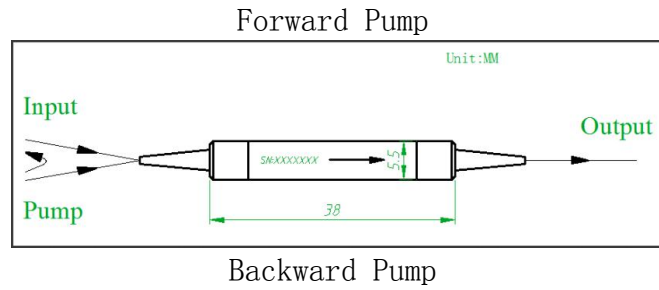
**Specifications:**

Parameter	1550/1480		1550/980	
	Single Stage	Dual Stage	Single Stage	Dual Stage
Signal wavelength range (nm)	1528~1565(C-band)		1528~1565(C-band)	
Pump wavelength range (nm)	1450~1490		965~995	
Isolator Stage	Single Stage	Dual Stage	Single Stage	Dual Stage
Insertion loss (Signal) (dB)	≤0.9	≤1.0	≤0.9	≤1.0
Isolator Isolation @ All T, All Wavelength (dB)	≥21	≥36	≥21	≥36
PMD (ps)	≤0.25	≤0.05	≤0.25	≤0.05
Insertion loss (Pump) (dB)	≤0.5		≤0.6	
Signal Channel Wavelength Isolation @Pump Wavelength (dB)	≥30		≥30	
Pump Channel Wavelength Isolation @Signal Wavelength(dB)	≥15		≥15	
PDL (dB)	≤0.10			
WDL (dB)	≤0.3			
Directivity (dB)	≥55			
Return loss (dB)	≥50			
Thermal stability (dB/ °C)	≤0.005			
Power handling (mW)	≤500			
Fiber Type	SMF-28e For all ports		SMF-28e or HI1060 for Common SMF-28e for Signal HI1060 for Pump Port	
Operating temperature (°C)	0 ~ +70			
Storage temperature (°C)	-40 ~ +85			
Package dimension (mm)	SUS tube Φ5.5 *38		SUS tube Φ5.5*38 / Glass tube Φ4.2*30 Mini size SUS Φ3.8 x32mm /Glass tube Φ3.2 x28mm SUS Φ3.0 x32mm /Glass tube Φ2.8 x26mm	

\*Above specifications are for devices without the connectors.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower

**Packing Dimensions:**



**Ordering Information:**

IW DM	Signal/pump Wavelength	Isolator Stage	Pump Type	Com Fiber	Package type	Pigtail Type	Length	Connector
	5548=1550Signal/ 1480Pump 5598=1550Signal/ 980Pump	S=Single stage D=Dual Stage	F=Forward pump B=Backward pump	1=SMF-28e 2=HI1060	1=Φ5.5*38 2=Φ4.0*30 3=3.8x32mm 5=3.0x32 6=2.8x26	1=250um bare fiber 2=900um loose tube S=Specify	H=0.5m 8=0.8m 1=1.0m S=Specify	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 6=LC/UPC 7=LC/APC S=Specify