

Isolator+ WDM Hybrid Device (IWDM)

Features:

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

Application:

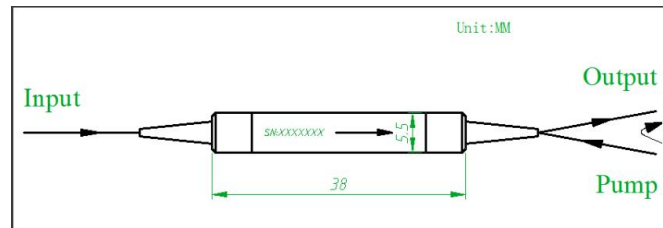
Fiber Amplifier
 Fiber optic Instrument

Specifications:

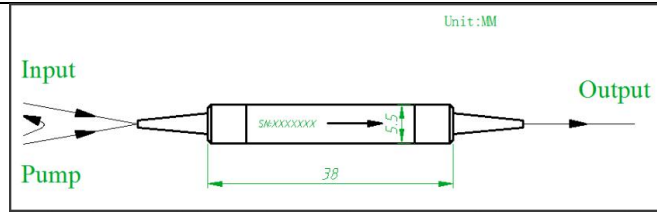
Parameter	1550/1480		1550/980	
	Single Stage	Dual Stage	Single Stage	Dual Stage
Signal wavelength range (nm)	1528~1565(C-band)		1528~1565(C-band)	
Pump wavelength range (nm)	1450~1490		965~995	
Isolator Stage	Single Stage	Dual Stage	Single Stage	Dual Stage
Insertion loss (Signal) (dB)	≤0.9	≤1.0	≤0.9	≤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)	≤300 or high power<3W			
Fiber Type	SMF-28e For all ports		SMF-28e For Pass port, Hi1060(flex) For Common &Pump ports	
Operating temperature (°C)	0 ~ +70			
Storage temperature (°C)	-40 ~ +85			
Package dimension (mm)	Φ5.5 *38(P1),Φ3.6 *30(P2),Φ3.2 *30(P3)			

*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:


Forward Pump



Backward Pump

Ordering Information:

IW DM	Signal/pump Wavelength	Isolator Stage	Pump Type	Power	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=Low power (300mW) 2=High Power <3W	1=Φ5.5 *38(P1), 2=Φ3.6*3 0(P2) 3=Φ3.2 *30(P3)	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