

WDM/Isolator Hybrids (HYB)

Description

WDM/Isolator hybrid is made by special packaging technology, which combines FWDM and isolator into a compact package. It has WDM and isolator function at the same time. It is widely used in EDFA and other fields.

Key Features

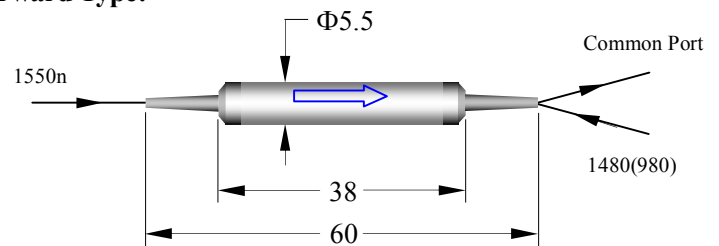
- * Compact size
- * Low insertion loss
- * High channel isolation
- * Low cost

Applications

- * EDFA
- * WDM system
- * CATV



Forward Type:



Specifications

Parameter \ Type	1480/1550		980/1550	
	Single stage	Dual stage	Single stage	Dual stage
Isolation stage				
Isolation@23°C (dB)	≥30	≥48	≥30	≥48
Insertion loss (Signal) (dB)	≤0.8	≤0.9	≤0.9	≤1.0
PMD (ps)	≤0.25	≤0.05	≤0.25	≤0.05
Signal wavelength range (nm)	1528~1565(C-band)		1528~1565(C-band)	
Pump wavelength range (nm)	1450~1490		965~995	
Insertion loss (Pump) (dB)	≤0.5		≤0.6	
Transmitted isolation (Pump) (dB)	≥30		≥30	
Reflected isolation (Signal) (dB)	≥15		≥15	
PDL (dB)	≤0.1			
WDL (dB)	≤0.3			
Directivity (dB)	≥55			
Return loss (dB)	≥50			
Thermal stability (dB/ °C)	≤0.005			
Power handling (mW)	≤500			
Operating temperature (°C)	-5 ~ +70			
Storage temperature (°C)	-40 ~ +85			
Package dimension (mm)	Φ5.5 × L38			
Fiber type: (Common / Pump)	Corning SMF-28e		Corning Hi1060	
Fiber type (Signal)	Corning SMF-28e			

Ordering Information

HYB-X-X-XXX/XXXX-X-X-XX/XXX-XX*XX

