



1310/1550nm Monolithic High Isolation WDM (HWDM)



Overview:

The isolation of regular 1310/1550nm WDM couplers are usually about 17dB within ± 15 nm bandwidth. Lightcomm offers monolithic HWDM coupler with isolation higher than 30 dB. The HWDM can replace the high isolation WDM coupler modules. It features high isolation and the compact package size.

Features:

- * Mini size
- * Low insertion loss
- * Low PDL
- * High isolation
- * High stability and reliability

Applications:

- * WDM system
- * CATV

Specification:

Parameter	Type	1310/1550		1310/1525	
		Operating wavelength (nm)		1310 and 1550	
Operating bandwidth (nm)		± 15			
Grade		P	A	P	A
Insertion loss (dB)		< 0.4	< 0.6	< 0.4	< 0.6
Isolation (dB)		> 84	> 82	> 84	> 82
PDL (dB)		< 0.1	< 0.15	< 0.1	< 0.15
Directivity (dB)		> 55			
Operating temperature (°C)		- 40 ~ +85			

*Other specifications can be made on customer request.

Package Information:

Configuration	1×2 or 2×2	
Fiber lead length	1 meter, others on request	
Fiber type	250µm bare fiber	900µm loose tube
Dimensions (φ × L)	φ 4.0mm × 75mm	

*Other package dimensions can be made on customer request.

Ordering Information:

HWDM-X-XXX-XXX-X-X-XX/XXX-XX*XX

