

High Isolation Fused WDM 1310/1550nm

The 1310/1550nm High Isolation Fused Wavelength Division Multiplexer (WDM) is based on fused biconical taper (FBT) technology. It provides wavelength division multiplexing function.



Features

Low Insertion Loss
High Isolation
Compact Size

Applications

WDM System
PON
CATV

Performance Specification

Parameter	Value	Unit
Operating Wavelength	1310/1550	nm
Bandwidth	±15	dB
Max. Insertion Loss	0.6	dB
Min. Isolation	38 (45 is available upon request)	dB
Max. PDL	0.1	dB
Min. Return Loss	60	dB
Max. Thermal Stability	0.002	dB
Min. Directivity	60	dB
Fiber Type	Corning SMF-28e fiber	
Operating Temperature	-20 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimensior	106×79×10 for 900um bare fiber or 3.0mm Cable	mm

Note

* Above specifications are for device without connector. For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

Ordering Information

HIWDM-AAAA/AAAA-BB-C-DD-EE

AAAA/AAAA	BB	C	DD	EE
Wavelength	Fiber Jacket	Fiber Jacket	Fiber Length	Connector
1310/1550 - 1310/1550nm	SM - SMF-28e Fiber	L - 3.0mm Loose Tube	05 - 0.5m	NE - None
SSSS/SSSS - Specify	SS - Specify	C - 3.0mm Loose Tube	08 - 0.8m	FA - FC/APC
			10 - 1.0m	FP - FC/PC
			15 - 1.5m	SA - SC/APC
			SS - Specify	SP - SC/PC
				LA- LC/APC
				LP - LC/PC
				SS - Specify