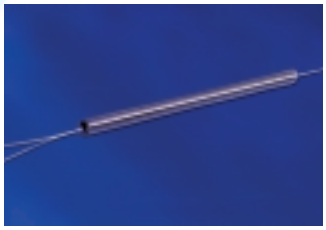
Optical Fiber Components

Wavelength Division Multiplexer Fiber Coupler (WDM)

High Isolation filter based



FEATURES:

- Low PDL
- Low Loss
- Nearly Zero Back reflection
- Low cost
- High Isolation

APPLICATIONS:

- Passive optical Networks (PoN)
- FTTX
- Optical fiber senors
- CATV
- Raman amplifiers

FiberLogix uses unique environmentally stable Thin Film technique to make the 1310/1490/1550 WDM. It can be used to combine or split 1310/1490/1550 nm two wavelength optical signals. High power handling capability can be achieved through unique pigtail processing and high quality AR coating. WDM couplers are widely used in PoN, CATV optical network upgrade. WDM can customised to have high isolation up to 35dB for both passband and reflection band.

SPECIFICATIONS:

Passband Wavelength range nm	1270-1350(1530-1600)	1450-1490(1530-1580)	1500-1520(1530-1570)
Operating bandwidth nm	+/-50	+/-10	+/-15
Isolation (typ/min) dB	35/30	30/25	35/30
Insertion Loss (typ/max) dB	0.4/0.6	0.4/0.6	0.5/0.7
Reflection Wavelength range nm	1530-1600(1270-1350)	1530-1580(1450-1490)	1530-1570(1500-1520)
Operating bandwidth nm	+/-15	+/-15	+/-15
Insertion Loss (typ/max) dB	0.4/0.5	0.4/0.5	0.4/0.5
Isolation (typ/min)dB	>12/>10	>12/>10	>12/>10
PDL dB (typ/min)	<0.10/0.05	<0.10/0.05	<0.10/0.05
Thermal stability dB/ °C	<0.005		
Fiber configuration	1x2, 2x2 and 1x3		
Operating temp.	-40°C to 85°C		
Directivity dB	>55		
Fiber type	SMF-28, 1m fiber standard, 900um optional		
Dimension	5.5mmX55mm		

Ordering information:

F	W	D	M	-			-			-		-		

Fiber configuration:
12 - 1x2
22 - 2x2
13 - 1x3

Wavelength:
3155 - 1310PB/1550/RB
5531 - 1550PB /1310RB
4855 - 1480PB/1550RB
4955 - 1490PB/1550RB
5548 - 1480RB/1550PB
5155 - 1510PB/1550RB
5551 - 1510RB/1550PB

Fiber type:
25 - 250um bare fiber
90 - 900um loose tube

Connectors:
1 - FC/PC
2 - FC/APC

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