

Flyin Fused Wavelength Division Multiplexer (980/1550,1480/1550nm)

Flyin Optronics' WDM components can effectively combine or separate single mode signals at two wavelength ranges. Available in three wavelength ranges (980/1550 nm, 980/1310 nm, and 1480/1550 nm). Based on the proven Fused Biconic Taper (FBT) technology, these multiplexers provide broad operating wavelengths and low insertion loss. All our WDM are available with any connector style (FC as standard, other connectors available upon request), and include 900 μ m loose tubing to protect the fibers.

All Flyin Optronics' products are Telcordia qualification tested.

Features

- Low Insertion Loss
- High Isolation

Applications

- Erbium Doped Fiber
- Amplifiers (EDFA)




Performance Specifications

Type	980/1550nm WDM		1480/1550nm WDM	
	P	A	P	A
Grade	P	A	P	A
Max. Insertion Loss (dB)	0.20	0.25	0.25	0.35
Isolation (dB)	>20	>18	>16	>14
Polarization Sensitivity (dB)	<0.05	<0.1	<0.1	<0.15
Operating Wavelength (nm)	980 \pm 10/1550 \pm 20		1480/1550 \pm 5	
Directivity (dB)	>60			
Operating Temperature($^{\circ}$ C)	-10 ~ +70(-40 ~ +85 available upon request)			
Storage Temperature($^{\circ}$ C)	-40 ~ +85			
Fiber Type	Corning HI 1060 or OFS980, Corning 980, Corning SMF-28e			
Fiber Pigtail Length (m)	1 m or custom length			
Port Configuration	1x2 or 2x2			
Package Dimension	F, G,H			

Note: All values referenced are without connector.

Package Dimensions & Pigtail Style

Package Dimensions:	
Package F: 3mm x 54mm stainless steel tube	
Package G: 3mm x 60mm stainless steel tube	

Package H: 10mm x 20mm x 90mm case	
Pigtail Style:	
Package F:	250um bare fiber
Package G:	250um bare fiber or 900um loose tube
Package H:	2mm,3mm cable or 900um loose tube

Ordering Information

X	X	XX	XX	XXXX	X	X	X	XX
Type	Grade	Wavelength	00	Port	Package	Pigtail Style	Fiber Type	In/Out Connector
D	P A	95=980/1550nm 45=1480/1550nm	00=Standard	0102=1x2 0202=2x2	F=F type G=G type H=H type	0=Bare Fiber 1=900um loose tube 2=2mm cable 3=3mm cable	0=SMF-28 1=HI 1060 Flex 2=CS 980 S=Special	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC X=Special