

Fused Biconic WDM (FBW) - FBFD Series

Key Features

- Low excess loss and PDL
- High reliability
- High directivity
- Wide operating temperature up to 280°C
- Broad bandwidth

Applications

- Network monitoring
- EDFA
- Optical testing system
- Optical fiber sensors
- High temperature fiberoptic systems

Compliance


- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE

Ordering Information

Sample: FBW - N351PB1SS20

Specifications

Parameter	Unit	1060/1310	1310/1490	980/1550	980/1060	980/1310	1550/1620	1310/1490	1310/1550	1480/1550	
Grade		P	A	P	A	P	A	P	A	P	A
Configuration		1×2 / 2×2									
Fiber Type		SMF28, f80µm fibers, Allwave, HI1060 FLEX, OFS980-16, PM fibers, others									
Long Wavelength	nm	1310±15	1490±10	1550/1585±20	1060±5	1310±10	1620±5	1490±10	1550±15	1550/1600±5	
Insertion Loss	Max. dB	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40
Isolation	Typ. dB	17.0	16.0	17.0	16.0	20.0	18.0	15.0	13.0	18.0	16.0
PDL	Max. dB	0.10	0.15	0.10	0.15	0.05	0.05	0.10	0.15	0.10	0.15
Short Wavelength	nm	1060±15	1310±10	970±10	980±5	980±10	1550±5	1310±10	1310±15	1480±5	
Insertion Loss	Max. dB	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40
Isolation	Typ. dB	17.0	16.0	17.0	16.0	20.0	18.0	15.0	13.0	17.0	16.0
PDL	Max. dB	0.10	0.15	0.10	0.15	0.05	0.05	0.10	0.15	0.10	0.15
Return Loss	Min. dB	50 (Test at central wavelength only)									
Operating Power	Max. W	5									
Operating Temperature	°C	-40 ~ +85									
Storage Temperature	°C	-60 ~ +85									
Package Type	B1	Φ3×40 for 250µm bare fiber									
	L1	Φ3×60 for 900µm loose tube									
	M1	10×20×90 for 900µm loose tube or 3mm cable									
Special Feature	H	High temperature over 280°C									
	S	Special configuration of 1×3, for 1310nm, 1490nm, and 1550nm									
	V	Very high isolation version over 32dB available in module									

FBW — 

Code	Feature	Code	WDM Type	Code	Configuration	Code	Package	Code	Fiber Type 1	Code	Fiber Type 2	Code	Fiber Length	Code	Connector
N	Normal	13	1060/1310	1	1×2	B1	Φ3×40 250 µm bare fiber	S	SMF-28	S	SMF-28	0	0.5m	0	None
H	High temperature	34	1310/1490	2	2×2	L1	Φ3×60 900 µm loose tube	1	HI1060	1	HI1060	1	1.0m	1	SC/UPC
T	1×3 for 1310 1490 and 1550 nm	95	980/1550					9	980	9	980	2	1.5m	2	SC/APC
V	Ultra-low PDL	91	980/1060					P	Polarization Maintaining	P	Polarization Maintaining	3	2.0m	3	FC/UPC
		93	980/1310					X	Customize			4	FC/APC	4	FC/APC
		56	1550/1620									5	LC/UPC	5	LC/UPC
		34	1310/1490									6	ST/UPC	6	ST/UPC
		35	1310/1550									M	MU	M	MU
		85	1480/1550									X	Customize	X	Customize