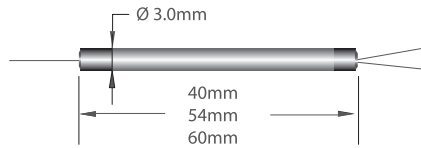


- Low excess loss and PDL
- High reliability
- High directivity
- High temperature options available
- Broad bandwidth

FUSED BICONIC WDM



FBWDM's are available in a wide variety of configurations, tap ratios, wavelength ranges, housing and connector options, and can therefore be readily specified in a wide variety of applications, enabling rapid design cycles and new project builds.

These products are particularly well suited for harsh environments. These products also meet or exceed Telcorda GR-1209-CORE and GR-1221-CORE reliability requirements.

SPECIFICATIONS*

PARAMETERS	1060/1310		1310/1490		980/1550		980/1060		980/1310		1550/1620		1310/1490		1310/1550		1480/1550		UNIT
Grade	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	P	A	
Configuration	1x2 / 2x2																		
Long Wavelength	1310 ±15		1490 ±10		1550/1585 ±20		1060±5		1310±10		1620±5		1490±10		1550±15		1550/1600 ±5		nm
Insertion Loss (Max)	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	dB
Isolation (Typ)	17.0	16.0	17.0	16.0	20.0	18.0	15.0	13.0	18.0	16.0	15.0	13.0	17.0	16.0	17.0	16.0	16.0	14.0	dB
PDL (Max)	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	dB
Short Wavelength	1060±15		1310±10		970±10		980±5		980±10		1550±5		1310±10		1310±15		1480±5		nm
Insertion Loss (Max)	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	0.30	0.40	dB
Isolation (Typ)	17.0	16.0	17.0	16.0	20.0	18.0	15.0	13.0	18.0	16.0	15.0	13.0	17.0	16.0	17.0	16.0	16.0	14.0	dB
PDL (Max)	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	0.10	0.15	dB
Return Loss (Min)	50 (Test at central wavelength only)																		
Operating Power	5.0																		
Operating Temp.	-40 ~ +85																		
Storage Temp.	-60 ~ +85																		
Package Type	Ø3×40 for 250µm bare fiber - Ø3×60 for 900µm loose tube - 10×20×90 for 900µm loose tube or 3mm cable																		

*Note: Specifications without fiber connectors. - Very high isolation version over 32dB available in module version

ORDER CODES

CODE	N° OF PORTS		WAVELENGTH		PACKAGE		FIBER JACKET		CONNECTOR TYPE		FIBER LENGTH	
F4M-FBWDM	12	1x2	63	1060/1310nm	1	3x54 mm	25	250µm Bare Fiber	0	None	10	1m (Std.)
	22	2x2	34	1310/1490nm	2	3x64 mm	9L	900µm Loose Tube	A	SC/UPC	15	1.5 Meter
			35	1310/1550nm	3	3x60 mm	9T	900µm Tight Buffer	B	SC/APC	S	Specify
			56	1550/1620nm	4	3x40 mm	2M	2.0mm Loose Tube	C	FC/UPC		
			45	1480/1550nm	5	3x45 mm	3M	3.0mm Loose Tube	D	FC/APC		
			86	980/1060nm	6	10x20x90 mm	S	Specify	E	LC/UPC		
			81	980/1310nm	7	80x100x10mm			Q	LC/APC		
			85	980/1550nm	S	Specify			S	Specify		
			S	Specify								

ORDER CODE example:

F4M-FBWDM - 12 - 35 - 1 - 25 - 00 - 10