

FUSED BICONIC COUPLERS

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



FBC'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 environ-

ments. These products also meet or exceed Telcordia GR-1209-CORE and GR-1221-CORE reliability requirements.

PARAMETERS		SINGLE WINDOW				DUAL / TRIPLE WINDOW				UNIT	SPECIFICATIONS*
		P	A	P	A	P	A	P	A		
Grade		P	A	P	A	P	A	P	A		
Configuration		1×1 (Attenuator), 1×2, 2×2									
Fiber Type		SMF-28, MM fibers, PM fibers, others									
Wavelength		808, 850, 980, 1060, 1310, 1480, 1550, 1620									nm
Bandwidth	B	Narrowband ±20		Broadband ±40		Broadband ±40		Ultra Broadband		nm	
Insertion Loss	Max	3.4	3.6	3.4	3.7	3.6	3.9	3.7	4	dB	
Excess Loss	Typ	0.06	0.1	0.1	0.15	0.06	0.1	0.1	0.15	dB	
Uniformity	Max	0.5	0.8	0.6	0.9	0.8	1.1	1	1.4	dB	
PDL	Max	0.05	0.1	0.1	0.15	0.15	0.2	0.15	0.2	dB	
Return Loss	Min	50 (Test at central wavelength only)									dB
Operating Power	Max	5.0									W
Operating Temperature		-10 ~ +70									°C
Storage Temperature		-40 ~ +85									°C

*Note: Specifications without fiber connectors.

CODE	PORTS	WAVELENGTH	RATIO	PACKAGE	FIBER JACKET	CONNECTOR TYPE	FIBER LENGTH	ORDER CODES						
F4M-FBC	11	1×1 Attenuator	80	808nm	01	1/99	1		3×54 mm	25	250µm Bare Fiber	0	None	10
	12	1×2	85	850nm	02	2/98	2	3×64 mm	BR	250µm Ribbon	A	SC/UPC	15	1.5 Meter
	22	2×2	98	980nm	03	3/97	3	3×60 mm	9L	900µm Loose Tube	B	SC/APC	S	Specify
	31		31	1310nm	05	5/95	4	3×40 mm	9T	900µm Tight Buffer	C	FC/UPC		
	49		49	1490nm	10	10/90	5	3×45 mm	2M	2.0mm	D	FC/APC		
	55		55	1550nm	20	20/80	6	10×20×90 mm	3M	3.0mm	E	LC/UPC		
	34		34	1310&1490nm	25	25/75	7	80×100×10mm	S	Specify	Q	LC/APC		
	35		35	1310&1550nm	30	30/70	X	Custom			S	Specify		
	45		45	1490&1550nm	40	40/60								
	TW		TW	1310&1490 & 1550nm	50	50/50								
S		S	Specify	EQ	Equal Split Ratio									

ORDER CODE example: **F4M-FBC -12 - 35 - 30 - 1- 25 - 00 - 10**

Specifications may change without notice. Display Product Photos Shown are samples for viewing, not actual products. Colours and styles may vary.

www.fiberon.com



USA
Tel. +1 508 616 9500
Fax +1 508 616 9600
salesUS@fiberon.com

ITALY
Tel +39 011 8608283
Fax +39 011 6604752
salesEU@fiberon.com

POLAND
Tel. +48 71 727 7237
Fax +48 71 793 99 11
salesEU@fiberon.com

Hong Kong, PRC
Tel. +852 3171 7616
Fax +852 3171 7613
salesCHINA@fiberon.com

Taiwan (R.O.C.)
Tel. +886 939512000
Tel/Fax: +886 2 85228160
salesTAIWAN@fiberon.com

DUBAI, U.A.E.
Tel. +971 4 881 6056
Fax +971 4 881 6057
salesMEA@fiberon.com