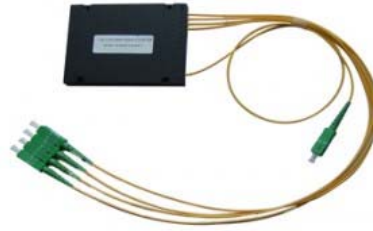


シングルモードファイバオプティックカプラ
SM Fused Biconic Coupler



Features

Low Insertion Loss
Uniform Power Splitting
Excellent Environmental &
Mechanical Stability

Applications

Long-Haul Telecommunications
Digital,Hybrid and AM-Video systems CATV
High Speed Local Area Networks
Fiber Sensors

Optical Specification

Coupling Ratio	Insertion Loss(dB)	
	P Grade	A Grade
50/50	3.5/3.5	3.6/3.6
40/60	4.7/2.7	5.0/2.9
30/70	6.0/1.9	6.4/2.1
20/80	7.9/1.2	8.5/1.4
10/90	11.3/0.6	12.7/0.8
05/95	14.0/0.45	17.5/0.5
01/99	21.0/0.2	21.5/0.25
Excess Loss(dB)	0.10	0.15
PDL(dB)	0.10	0.15
Operation Wavelength(nm)	1310±40, 1550±40,1310/1550±40,1310/1550±40/1490±20	
Directivity(dB)	≥55	
Return Loss(dB)	≥55	
Channel Number	1×2 or 2×2	

Note:All the data above does not include connectors.

Parameter	Unit	Specification							
Operating Wavelength	nm	Single Window ¹ Dual,Three Window ²							
		(1×N)	N=3	N=4	N=5	N=8	N=16	N=24	N=32
Fiber Type		Corning SMF-28e							
IL(MAX)	dB	5.4 ¹ /5.6 ²	7.0 ¹ /7.2 ²	7.8 ¹ /8.0 ²	10.0 ¹ /10.4 ²	13.5 ¹ /13.9 ²	15.0 ¹ /15.4 ²	17.3 ¹ /17.5 ²	21.0 ¹ /21.5 ²
Uniformity	dB	0.5 ¹ /0.6 ²	0.5 ¹ /0.6 ²	0.6 ¹ /0.8 ²	0.8 ¹ /1.0 ²	1.1 ¹ /1.3 ²	1.2 ¹ /1.5 ²	1.3 ¹ /1.5 ²	2.1 ¹ /2.5 ²
Return Loss	dB	≥55							
Directivity	dB	≥55							
PDL	dB	< 0.20	< 0.20	< 0.30	< 0.30	< 0.40	< 0.50	< 0.50	< 0.50

(1×N): Equal Coupling Ratio

Note:All the data above does not include connectors.

Contact your OSTenp representative for information on specifications and availability.

Order Information

FBT	-	-	-	-	-	-	-	-	-
	Type	Port	Wavelength	Coupling	Fiber	Package	Pigtail	Pigtail	Connector

Type	S=Coupler A=In-Line Attenuator W=WDM
Port	0101=1x1, 0102=1x2, ..., 0404=4x4, ..., 0132=1x32, 0232=2x32
Wavelength	98=980, 13=1310, 14=1490, 15=1550 1314=1310&1490, 1315=1310&&1550, 345=1310&1490&1550 85=850, 9815=980&1550, 8513=850&1310
Coupling Ratio (Attenuation or Stage)	01=1/99 or 1dB or 1 Stage,02=2/98 or 2dB or 2 Stage,03=3/97 or 3dB or 3 Stage 05=5/95 or 1dB, 10=10/90 or 10dB, 15=15/85 45=45/55, 00=equal ratio, X=Others
Fiber Type	1=G652D, 2=G657A, 5=50/125, 6=62.5/125, X=Others
Package Dimension	B1, B2, ..., F, K
Pigtail Type	B=250μm Bare fiber, L=900μm Loose tube, S=2.0mm, R=3.0mm,0=Adapter
Pigtail Length	05--20=0.5--2.0m, 0=Adapter, X=Others
Connector Type	FU=FC/UPC, FA=FC/APC, SU=SC/UPC, SA=SC/APC, ST=ST/UPC, LU=LC/UPC, LA=LC/APC, 00=None, X=Others

Packaging Information

Pigtail Type	1x1	1x2	2x2	<=9 Ports	<=18 Ports	<=34 Ports
Bare Fiber	/	B1	B1	/		
Φ0.9	B2	B2	B5	E	K	F
Φ2.0	B4/D	D	D			
Φ3.0						
Rack Mount	XU/XG					

Package Dimensions (mm)

B1	Φ3x50 steel tube	X	Custom Specifies
B2	Φ3x54 steel tube	E	100x80x10 plastic case
B3	Φ3.5x54 steel tube	F	141x115x18 plastic case
B4	Φ5x70 steel tube	K	120x80x18 plastic case
B5	Φ3x60 steel tube	XU	19" x=1,2,3,4 U Rack Mount
D	90x20x9.5 plastic case	XG	X=1,2,3,4 U LGX box

* 詳細は、お手数ですがお問い合わせフォームにお願いします。

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