SM Fused Coupler Series

1xN (2xN) Single Mode Coupler Module(980~1150nm)

Key Features

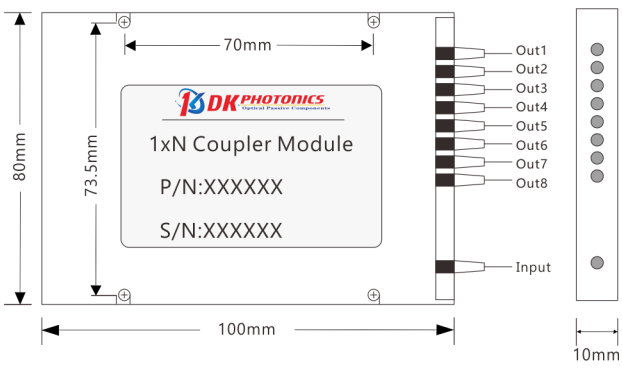
- Low Insertion Loss
- Low Polarization Dependent Loss
- All Split Ratios Available
- High stability & Reliability

1xN (2xN) coupler splitter modules are cascaded with the single mode couplers. These couplers are available in a wide range of split ratios, lengths, and packaging. Custom terminations are also available.

Applications

- Fiber Laser
- Fiber amplifier
- Fiber sensors
- Testing Instrumentations

Package Dimension



*Due to ongoing design improvements, the package size is subject to change. Please contact DK Photonics for confirmation if you have special requirements.

For more Info

Please contact us at:

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Fax: +86-755-26746512

E-mail: sales@dkphotonics.com

https://www.dkphotonics.com

Add.:

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Dahe Road, Longhua Dis.,

Shenzhen, China 518109

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Performance Specifications

Parameter	Unit	N×4, N=1, 2		N×6, N=1, 2		N×8, N=1, 2	
Operating wavelength	nm	980,1030,1054,1064,1080,1150, others on request					
Operating bandwidth	nm	±15					
Grade	-	P	A	P	A	P	A
Insertion loss(even coupling ratio)	dB	≤7.2	≤7.6	≤9.3	≤9.9	≤10.7	≤11.3
Typical excess loss	dB	0.3		0.4		0.5	
PDL	dB	≤0.25		≤0.35		≤0.35	
Return Loss	dB	≥50					
Directivity	dB	≥55					
Max. Optical Power (CW)	W	0.5 ,2, 5					
Fiber Type	-	1060-XP					
Operating Temperature	℃	-20~+75					
Storage Temperature	℃	-40~+85					
Package Dimension	mm	100x80x10 (ABS)					

1. Above specification are for device without connector, and may change without notice. All parameters are tested at room temperature.
2. Other specifications can be made on customer request.
3. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.
4. If there is pulse application, please be sure to inform us of pulse energy and peak power.

Order information

P/N: FBTC-①-②-③-④-⑤-⑥-⑦-⑧-⑨

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better. If need any connector, we do not recommend choosing a 250μm bare fiber pigtail.

①	②	③	④	⑤	⑥	⑦	⑧	⑨
Grade	Port	Wavelength	Power Handling	Coupling Ratio(%)	Fiber Type	Pigtails Diameter	Fiber Length	Connector
P: P Grade A:A Grade	104:1x4 204:2x4 106:1x6 206:2x6 108:1x8 208:2x8 Etc.	98:980nm 30:1030nm 40:1040nm 64:1064nm XX: Others	L:<0.5W 2:2W 5:5W 10:10W 20:20W	EV:even XX: Others	06X:1060-XP X: Others	25:250μm 90:900μm XX: Others	05:0.5m 10:1.0m 15:1.5m XX: Others	00: None FP: FC/PC FA: FC/APC LA: LC/APC XX: Others

Part Number Example: FBTC-P-104-30-L-EV-06X-90-10-FA

Description: 1X4 Single Mode Coupler Module, 1030nm, P grade,1x2, 0.5w handling power, even coupling ratio, 1060-XP fiber, with 0.9mm OD loose tube,1.0m length fiber pigtails, FC/APC connectors at all ports.

Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.