1x2 /2x2 large Fiber Core 105/125μm Coupler/Splitter

Product Description

The FC Series fiber optic coupler is based on fused biconical taper technology and compact packaging structure. It features good uniformity, low excess loss and very low polarization sensitivity. The device is ideal for splitting or combining light with exceptional performance over a wide wavelength range

Features

- Wavelength Independent
- Low Insertion Loss
- Low PDL
- Highly Stable & Reliable
- Ultra Low Cost

Performance Specifications

FC Series		Premium	Grade A	Unit
Splitting Ratio		5/95 to 50/50		
Central Wavelength		450/550/650/750/850/1310/1550		nm
Bandwidth		± 20		nm
Excess Loss		0.2	0.3	dB
Insertion Loss	50/50	3.6/3.8	3.8/3.8	dB
	40/60	4.6/2.6	5.0/3.0	dB
	30/70	5.9/1.9	6.3/2.3	dB
	20/80	7.8/1.2	8.3/1.7	dB
	10/90	11.2/0.7	12.0/1.2	dB
	5/95	15.0/0.5	16.0/0.8	dB
Uniformity		0.5	0.8	dB
Optical Power Handling		5		W
Operating Temperature		-40~85		°C
Storage Temperature		-50~85		°C
Dimension		900um loose tube: (ø)3.8x(L)70		

* Other package options available on request

Applications

- Optical communications
- FTTX
- Local Access Network (LAN)
- Fiberoptic Instrumentation

Revision: 8/18/21

15 Presidential Way, Woburn, MA 01801 Tel: (781) 935-1200 Fax: (781) 935-2040
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Ordering Information

FCLC-	☐	☐	☐	☐	☐	☐	☐	☐	☐
	Port	Wavelength	Grade	Package	Splitting Ratio	Fiber Type	Cable Type	Fiber Length	Connector
	1 = 1x2 2 = 2x2	4 = 1550nm 7 = 1310nm 8 = 850nm 7 = 750 nm 6 =650 nm 5 =550 nm 4 =450 nm 0 = Special	P = P Grade A = A Grade	2 = 70(L) 0 = Special	3 = 05/95 4 = 10/90 5 = 20/80 6 = 30/70 7 = 40/60 8 = 50/50 0 = Special	1 = 105 um NA 0.22	1 = 250μm bare 2 = 900um tube 3 = 2mm cable 4 = 3mm cable 0 = Special	1 = 0.5m 2 = 0.75m 3 = 1.0m 0 = Special	0 = None 1 = FC/PC 3 = FC/APC 0 = Special

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