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PHOTONWARES

1x2 Single Mode PDL-Free Broadband Fiber Optic Coupler/Splitter

Product Description

The FC Series fiber optic coupler is based on Agiltron's 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	50/50		
Bandwidth	± 40		nm
Excess Loss	0.07	0.1	dB
Insertion Loss	3.4/3.4	3.6/3.6	dB
Polarization Dependent Loss	0.01	0.02	dB
Uniformity	0.54	1.0	dB
Optical Power Handling	5		W
Operating Temperature	-40~85		°C
Storage Temperature	-50~85		°C
Package Dimension *	Bare fiber: (ø)3x(L)54		mm
	900um loose tube: (ø)3x(L)70		
	900um loose tube / 2mm / 3mm		
	Cable: (L)90x(W)16x(H)9		

* Other package options available on request

Applications

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

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(Click here for latest revision)

15 Presidential Way, Woburn, MA 01801 Tel: (781) 935-1200 Fax: (781) 935-2040
www.agiltron.com



www.precisometer.com

info@precisometer.com

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Ordering Information

FCPF-	☐	☐	☐	☐	☐	☐	☐	☐	☐
	Port	Wavelength	Grade	Package	Splitting Ratio	Fiber Type		Fiber Length	Connector
	1 = 1x2	1 = 1625nm 2 = 1590nm 3 = 1570nm 4 = 1550nm 5 = 1480nm 6 = 1475nm 7 = 1310nm P = 2000nm 0 = Special	P = P Grade A = A Grade	1 = 54(L) 2 = 70(L) 3 = 90(L) 0 = Special	8 = 50/50 0 = Special	1 = G.652	1 = 250μm fiber 2 = 900μm 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 2 = FC/SPC 3 = FC/APC 4 = FC/UPC 5 = SC/SPC 6 = SC/APC 7 = SC/UPC 8 = ST 9 = MU A = LC/PC B = LC/APC C = LC/UPC 0 = Special

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

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