

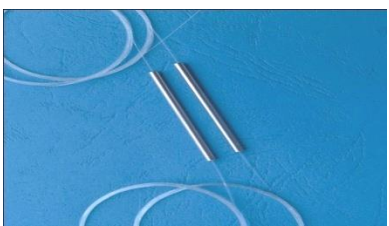
BUY NOW 

Compact Fiberoptic Coupler/Splitter

(patents pending)

Product Description

The FC Series Compact Fiberoptic Splitter is based on Agiltron's fused biconical taper technology and compact packaging structure. It features superior uniformity, low excess, 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
- Ultra Low Excess Loss
- Low Polarization Sensitivity
- Highly Stable & Reliable
- Ultra Low Cost

Performance Specifications

| FC Series coupler | Performance | | Unit |
|-----------------------------|---|-------|--------|
| | 1x3 | 1x4 | |
| Center Wavelength | 1310 or 1550 | | nm |
| Wavelength Bandwidth | ± 20 | | nm |
| Insertion Loss ¹ | < 5.5 | < 7.8 | dB |
| Uniformity (50/50) | < 0.9 | < 1.2 | dB |
| Polarization Dependent Loss | < 0.1 | < 0.2 | dB |
| Temperature Sensitivity | < 0.002 | | dB/ °C |
| Directivity | > 55 | | dB |
| Return Loss | > 55 | | dB |
| Optical Power Handling | < 4 | | W |
| Operating Temperature | -10-70 | | °C |
| Storage Temperature | -40-85 | | °C |
| Fiber Type and Length | Corning SMF-28, Length >1 250um&900um fiber: | | m |
| Package Dimension | (D)3.0x(L)60 | | mm |
| | 3mm Cable: | | |
| | (L)98x(W)14x(H)8.5 | | |

1. Excluding connectors

Applications

- Telecommunications
- CATV
- LAN
- Instrumentation

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Ordering Information

| FC- | <input type="checkbox"/> 4 <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|------|---|--------------------------|------------------------------------|--------------------------|--------------------------|---|--|--------------------------|
| Type | Wavelength | Grade | Package | Coupling Ratio | Port | Fiber Type | Connector | |
| | 1310=3 1480=4 1550=5 Special=0 | Premium=1 Special=0 | 3x60=1 98x14x8.5=2 Special=0 | standard=9 Special=0 | 1x3=3 1x4=4 | SMF-28 250um=1 900um tube=3 Special=0 | None=1 FC/PC=2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Special=0 | |

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