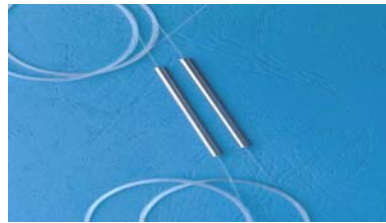


Compact Fiberoptic Coupler/Splitter 1x3

(patents pending)

Product Description

The FC Series 1x3 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 1x3 coupler | Performance | Unit |
|-----------------------------|--|--------|
| Operation Wavelength | 1290~1330 or 1525~1565 | nm |
| Wavelength Bandwidth | ± 20 | nm |
| Insertion Loss | < 5.5 | dB |
| Uniformity (50/50) | < 0.9 | dB |
| Polarization Dependent Loss | < 0.10 | 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 | ()3.0x(L)60 3mm Cable: (L)98x(W)14x(H)8.5 | mm |

Applications

- Telecommunications
- CATV
- LAN
- Instrumentation

Compact Fiberoptic Coupler/Splitter 1x3

Ordering Information

| FC- | <input checked="" type="checkbox"/> 4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> 3 | <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 | Special=0 | 50/50=9 Special=0 | | SMF-28 250um=1 900um loose 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 | |