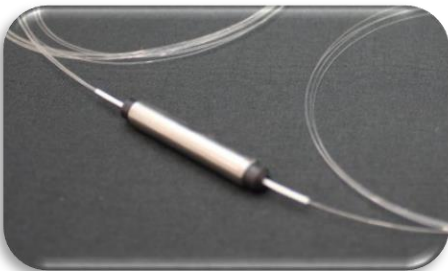


Functional device for multicore fiber

We provide optical device for multicore fiber (MCF) by using free space coupling technology and laser welded fixation for high reliability. Our device do not use adhesive in the optical path to withstand high power input. These technologies are used in various MCF devices. Furthermore, it is possible to support various core numbers and core arrangements.

Multicore Fiber Fanout



【Features】

For connecting multicore fiber (MCF) and single core fiber (SMF)

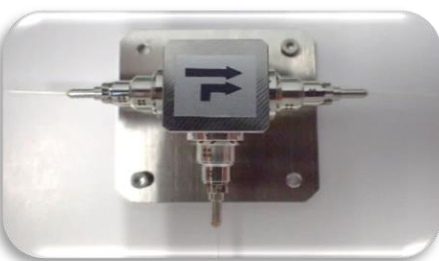
- Small size
- Low insertion loss, Low PDL
- Low crosstalk
- High reliability

Clear IEC61753-031-2 Standard

【Specifications】

- number of cores : 4C, 7C, other
- Center wavelength : 1310nm or 1550nm
- Insertion Loss : ≤ 0.6 dB
- PDL : ≤ 0.1 dB
- Crosstalk : ≤ -45 dB
- Return loss : ≥ 45 dB

WDM & TAP Coupler



【Features】

- Input/output fiber uses MCF
- Selecting Function (WDM or Tap coupler)
- Low insertion loss, Low PDL
- Low crosstalk
- High reliability

【Specifications】

- number of cores : 4C, 7C, other
- Center wavelength : 1310nm or 1550nm
- Insertion Loss : ≤ 0.8 dB
- PDL : ≤ 0.1 dB
- Crosstalk : ≤ -45 dB
- Return loss : ≥ 45 dB

Isolator

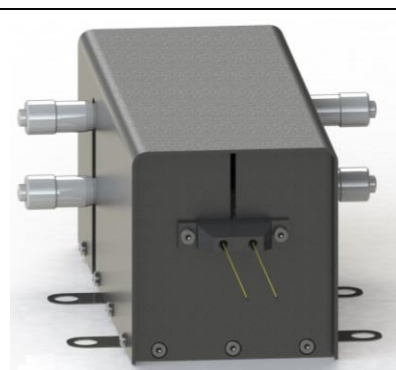


【Features】

- Input/output fiber uses MCF
- Low insertion loss, Low PDL
- Low crosstalk
- High isolation
- High reliability

【Specifications】

- number of cores : 4C, 7C, other
- Center wavelength : 1310nm or 1550nm
- Insertion Loss : ≤ 0.8 dB
- PDL : ≤ 0.1 dB
- Isolation : ≥ 45 dB



Variable Optical Attenuator for MCF

Preliminary
coming soon

【Features】

- Independently control the light intensity of each core
- Input/output fiber uses MCF
- Low insertion loss, Low PDL

【Specifications】

- number of cores : 4C
- Center wavelength : 1550nm
- Insertion Loss : ≤ 1.5 dB (typ 0.8 dB)
- PDL : ≤ 0.1 dB
- Attenuation Range : 0 ~ 20 dB

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