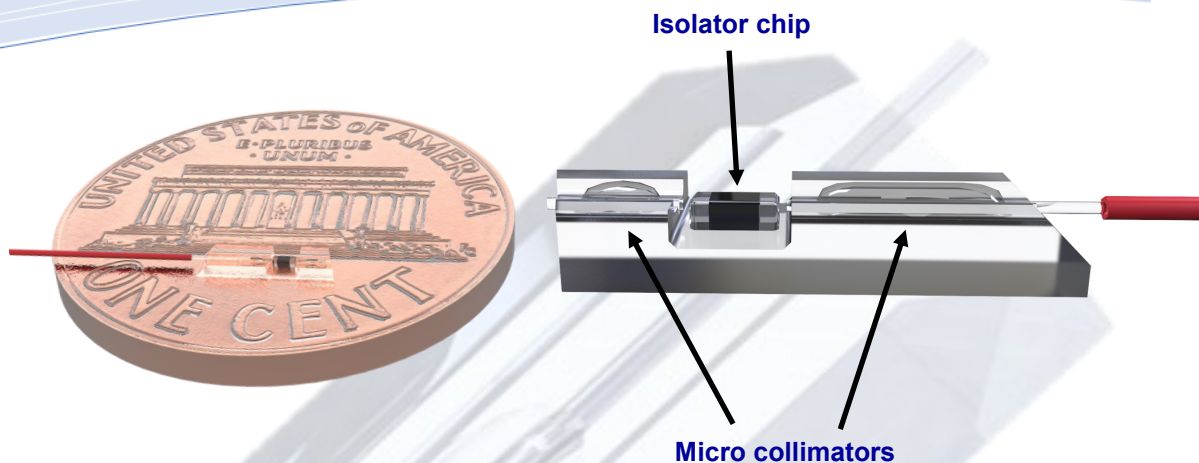




Micro Isolators

The World Smallest Isolators



Description

OFP's Micro Isolators are the smallest single mode isolators on the market.

Based on OFP's micro collimators and latching isolator chips, they can be mounted on 0.9x0.9 mm carriers or even packaged into hermetic feedthroughs.

Any standard single mode fiber can be used to couple to or from the chip.

The solution is scalable from single to multiple channels in very compact V-groove platforms.

Efficient coupling mechanisms through cleaving, lensing, or UHNA fiber.

Key Features

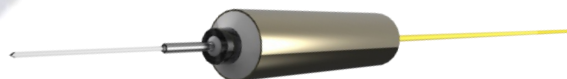
- Typical 0.8 dB insertion loss
- 30 dB+ single stage and 50 dB+ dual stage isolation
- High coupling efficiencies
- Fits in most gold box packages for discrete alignment of the chip
- Latching design. Non-latching is also possible with minimal size addition.
- C-band or 1310 nm wavelength ranges are



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Configuration options

Input fiber—UHNA, SMF-28E+, ZBL, PM

Isolation

Wavelength range

Temperature range

Insertion Loss

Back reflection/return loss

Fiber chip interface — cleave, lens, etc.

Tail termination —LC, FC, MT, or splice

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