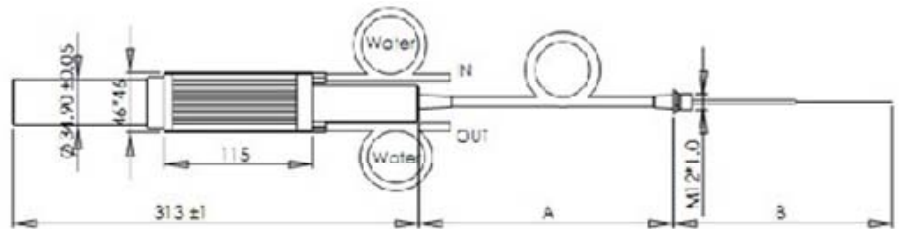




1064nm High Power Collimated Free-space Beam Output Isolator - 100W

The High Power Isolator series products include high power isolator and high power collimator. The high power isolator series includes in-line type, beam expanded isolator, fiber in and free space out isolator and free space isolator etc. 1064nm High Power Collimated Free-space Beam Output Isolator is one of the fiber in and free space out isolator. They're characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. They are ideal for fiber laser and instrumentation applications.



Features

- ◆ High isolation
- ◆ Low insertion loss
- ◆ Water-cooling
- ◆ Excellent environmental stability and reliability

Applications

- ◆ Fiber Laser

Performance Specifications

| Parameters | Values |
|---------------------------------------|---|
| Central Wavelength(nm) | 1064 |
| Operating Wavelength Range(nm) | ±10 |
| Typ. Peak Isolation(dB) | 35 |
| Min. Isolation in Band (at 25°C) (dB) | 30 |
| Min. Transmission (%) | 90 |
| Nominal Output Beam Diameter(mm) | 8±1 |
| Min. Return Loss(Db) | 50 |
| Max. Optical Power (CW)(W) | 100, 150, 200 or Specify |
| Max. Peak Power(kW) | 50,100 |
| Fiber Type | LMA-GDF-20/125, LMA-GDF-25/250,20/400 DC Fiber or Specify |
| Fiber Length(m) | >2.5 or Specify |
| Armored Length(m) | 2.0 or Specify |
| Tensile Load(kg) | 1 |
| Operation Temperature(°C) | 0 ~ +50 |
| Storage Temperature Range(°C) | -20 ~ +75 |

*Specifications may change without notice.

**Other specifications can be made on customer request.

Order information

HPCFSI-①①-②②-③-④④-⑤⑤-⑥⑥

| ①① | ②② | ③ | ④④ | ⑤⑤ | ⑥⑥ |
|-----------------------|--|-----------------------------------|--|----------------------|---------------------|
| wavelength | Optical Power | Package Dimensions | Fiber Jacket on Input & Length | Output Beam Diameter | Fiber Length |
| 64:1064nm XX:Other | 100:100W 150:150W 200:200W XX:Other | C: Circle Type Q:Quadrate Type | C25:3mm Loose Cable&2.5m Length A25:3mm Armoured Cable&2.5m Length B25:6mm Armoured Cable&2.5m Length XXX: Others | 08:8mm XX:Others | 30:3.0m XX:Other |