# High Power In-line Isolator

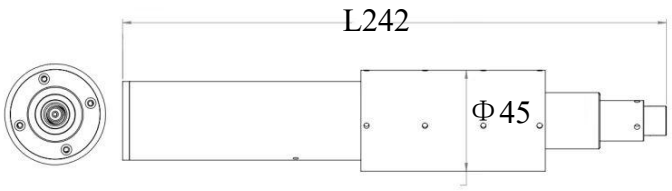
**Features**
High isolation and low insertion loss
Excellent environmental stability and reliability
Fiber can be customized

**Applications**
Fiber Laser
Fiber Sensor

| Parameter | | Specification | Unit |
|---|---|---|---|
| | | Non-PM Isolator | |
| Operating wavelength | | 1064±5; 1030±5 | nm |
| Peak isolation | | ≥35 | dB |
| Isolation in band at 23℃ | | ≥28 | dB |
| Reverse Power Handling | | 50W for 3min. max | - |
| Insertion loss at 23℃ | | ≤0.7 | dB |
| Output Beam diameter | | 6-9 | mm |
| Extinction ratio | | / | dB |
| Return loss | | ≥50 | dB |
| Fiber type (can be customized)* | | 10/125,15/130,20/125,20/250, 25/250,30/250,20/400 | - |
| Input max. power handling | Average | 50 | W |
| | Pulse Peak | 50 | KW |
| M2 degradation | | <15 | % |
| Output Beam diameter | | 6~9 | mm |
| Ellipticity | | >90 | % |
| Operating Temperature | | -5 ~ +50 | ℃ |
| Storage Temperature | | -20 ~ +70 | ℃ |
| Dimensions (¢ x L) | | ¢45 x L242 | mm |

* Backward power<10% of the Input Power.
* Ellipticity is tested under low order mode and light transmission just only through the core.

## Mechanical Dimension




## Ordering Information

| specification | GCHPIIT |
|---|---|
| Operating Wavelength | 1064=1064nm. |
| Pigtail diameter | 0=bare fiber |
| Fiber type | can be customized etc. |
| Power condition | C=Continue Wave, P(10)=Pulse Peak Power(10KW),etc. |
| Power handling | 1=1W, 2=2W, 5=5W, 10=10W, 50=50W etc. |
| Package Size | ¢45 x L242 |
| Fiber length | 1=1m |