

## 980nm High Power Polarization Insensitive Isolator

### Features

Low Insertion Loss  
High Return Loss  
High Isolation  
High stability & Reliability

### Applications

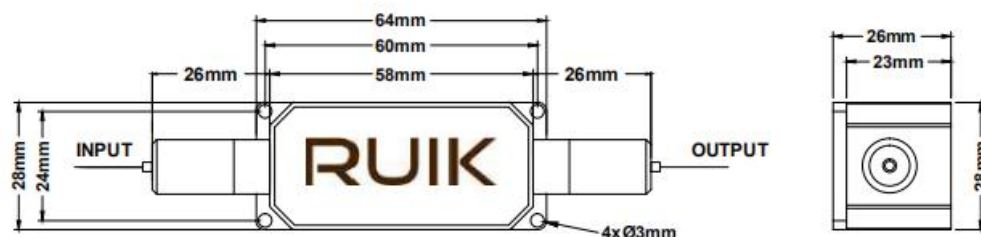
PM Fiber Amplifier  
Testing Instrument  
MOPA Fiber Laser  
Fiber Laser

### Specifications

| Parameters                              | Unit | Value    |    |
|-----------------------------------------|------|----------|----|
| Center Wavelength                       | nm   | 980      |    |
| Operating Wavelength Range              | nm   | ±5       |    |
| Typ. Peak Isolation at 23℃              | dB   | 30       |    |
| Min. Isolation at 23℃                   | dB   | 25       |    |
| Typ. Insertion Loss at 23℃              | dB   | 0.8      |    |
| Max. Insertion Loss at 23℃              | dB   | 1.0      |    |
| Max. Polarization Dependent Loss at 23℃ | dB   | 0.15     |    |
| Min. Return Loss (Input /Output)        | dB   | 45       |    |
| Max. Average Optical Power              | W    | 10       | 20 |
| Package Dimension                       | mm   | 64x28x26 |    |
| Max. Peak Power for ns Pulse            | kW   | 10       |    |
| Max. Tensile Load                       | N    | 5        |    |
| Operating Temperature                   | ℃    | +10~+50  |    |
| Storage Temperature                     | ℃    | 0~+60    |    |

With connectors, the handing power will be only 1W, IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower.  
The default connector key is aligned to slow axis.

### Package Dimensions



### Ordering Information

HPIIS-111-23-444-56-7-88-99AA

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| 111 - Wavelength:      | 980=980nm, SSS=Specify                                    |
| 2 - Core Type:         | S=Single-Core                                             |
| 3 - Working Axis:      | N=Non-PM                                                  |
| 444 - Fiber Type:      | 004=HI1060, 019=LMA-GDF-10/125-M, SSS=Specify             |
| 5 - Package Dimension: | 0=64x28x26mm                                              |
| 6 - Pigtail Type:      | 0=bare fiber, 1=900um loose tube, S=Specify               |
| 7 - Fiber Length:      | 0.75=0.75m, 1.0=1.0m. S=Specify                           |
| 88 - Connector Type:   | 0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify |
| 99 - Average Power:    | 10=10W, 20=20W, SS=Specify                                |
| AA - Peak Power:       | 00=Continuous Wave, 10=10kW, 20=20kW                      |