



## Pump Protector (PP Series)

### Description

Rev 11

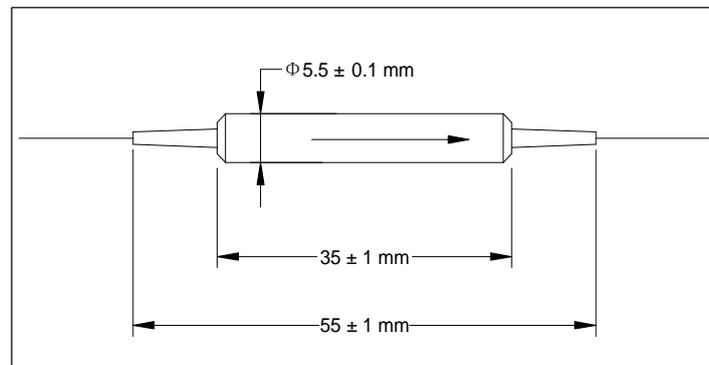
The Pump Protector is a micro optics device based on environmentally stable thin-film filter technology. It is used to block out unwanted noise signals in EDFAs and fiber laser systems. The components are characterized with high isolation, low insertion loss, high return loss, excellent environmental stability and high power handling capability.

### Specifications

| Parameter                            | Unit  | Value                                 |
|--------------------------------------|-------|---------------------------------------|
| Passband Wavelength Range            | nm    | 900 - 1000 or specified               |
| Max. Insertion Loss over Pass Band   | dB    | 0.7                                   |
| Blocked Wavelength Range             | nm    | 1020 - 1120, 1500 - 1600 or specified |
| Min. Isolation                       | dB    | 25                                    |
| Min. Return Loss                     | dB    | 50                                    |
| Max. Polarization Dependent Loss     | dB    | 0.1                                   |
| Thermal Stability                    | dB/°C | 0.003                                 |
| Max. Optical Power (Continuous Wave) | mW    | 300                                   |
| Max. Tensile Load                    | N     | 5                                     |
| Fiber Type                           | -     | HI 1060 Fiber                         |
| Operating Temperature                | °C    | - 5 to + 70                           |
| Storage Temperature                  | °C    | - 40 to + 85                          |

'IL is 0.5 dB higher, RL is 5 dB lower for each connector added.

### Package Dimensions



### Ordering Information

PP-①①①①-②-③-④

①①①①: Wavelength

9806 - 980 Pass/1060 Block

9855 - 980 Pass/1550 Block

SS - Specify

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Jacket

B - 250 μm Bare Fiber

L - 900 μm Loose Tube

S - Specify

④: Fiber Length

1 - 1.0 m

S - Specify