

## 0806 Other High Power Device

### HH1100-S

## 850 nm High Power Tap Isolator Hybrid, 1/99, 5 W, SM

The HH1100-S has very low insertion loss, high return loss, high isolation and high extinction ratio. It can be used for fiber sensor, fiber laser and compact fiber optical system.

#### FEATURES

- High Return Loss
- Low Insertion Loss
- High Extinction Ratio
- High Isolation

#### USE IN

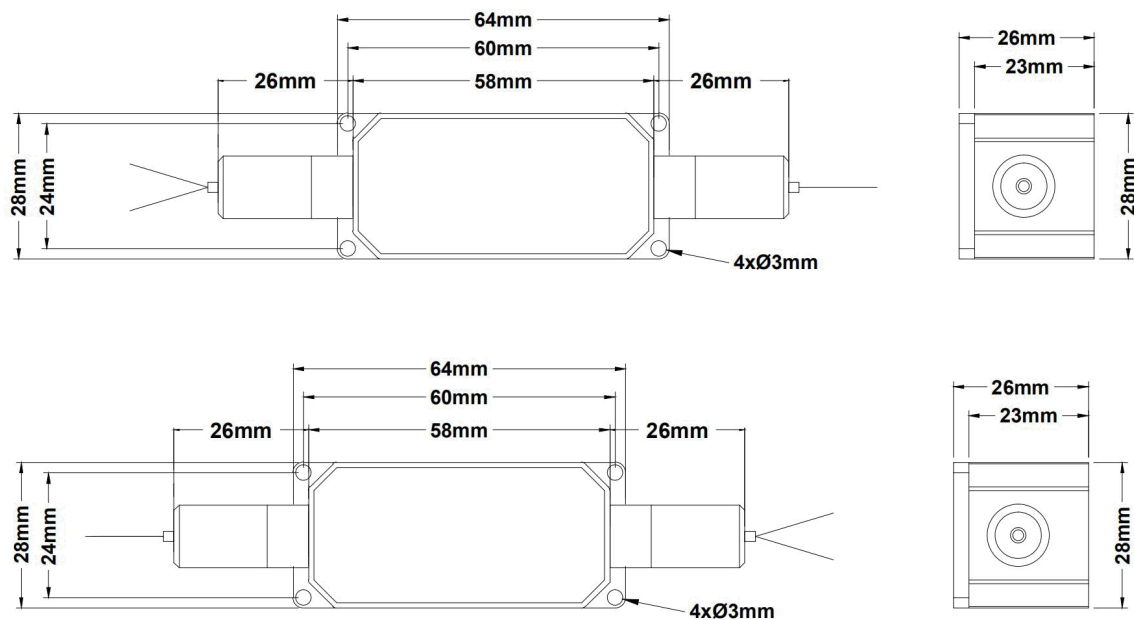
- Fiber Sensor
- Fiber Laser
- Compact Fiber Optical System

Center Wavelength	850 nm
Operating Wavelength Range	±5 nm
Excess Loss at 23°C	1.0 dB max.
Signal Tap Ratio	1±0.2% or Specified
Isolation at 23°C	25 dB min.
Polarization Dependent Loss at 23°C	0.15 dB max.
Return Loss at 23°C	50 dB min.
Optical Power (CW)	5 W max. or Specified
Peak Power for ns Pulse	10 kW or Specified
Tensile Load	5 N max.
Operating Temperature	+10°C to +50°C
Storage Temperature	0°C to +60°C

\* With connectors, IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower.

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## MECHANICAL DRAWING



### Options for Working Axis

**Option 1, 2x1**

Input→Output: Fast axis blocked

Input→Tap: Both axis working

**Option 2, 2x1**

Input→Output: Both axis working

Input→Tap: Both axis working

**Option 3, 2x1**

Input→Output: Both axis working

Input→Tap: PM to SM, Polarization Insensitive

**Option 4, 2x1**

Input→Output: SM to SM, Polarization Insensitive

Input→Tap: SM to SM, Polarization Insensitive

**Option 5, 1x2**

Input→Output: Fast axis blocked

Input→Tap: Fast axis blocked

**Option 6, 1x2**

Input→Output: Fast axis blocked

Input→Tap: PM to SM, Polarization Sensitive

**Option 7, 1x2**

Input→Output: SM to SM, Polarization Sensitive

Input→Tap: SM to SM, Polarization Sensitive