0105 Hybrid Device

H6100-S

850 nm Tap Isolator Hybrid, 300 mW, Single Stage, SM

The H6100-S has very low insertion loss, high return loss, high isolation and high extinction ratio. It can be used for fiber laser, fiber sensor and fiber instrument.

FEATURES

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

USE IN

- Fiber Laser
- Fiber Sensor
- Fiber Instrument

Center Wavelength	850 nm
Operating Wavelength Range	±5 nm
Excess Loss at 23°C	1.0 dB max.
Signal Tap Ratio	1±0.2%, 2±0.4%, 5±1%, 10±2%
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)	300 mW max. or Specified
Peak Power for ns Pulse	10 kW max. or Specified
Tensile Load	5 N max.
Operating Temperature	+10°C to +50°C
Storage Temperature	0°C to +60°C

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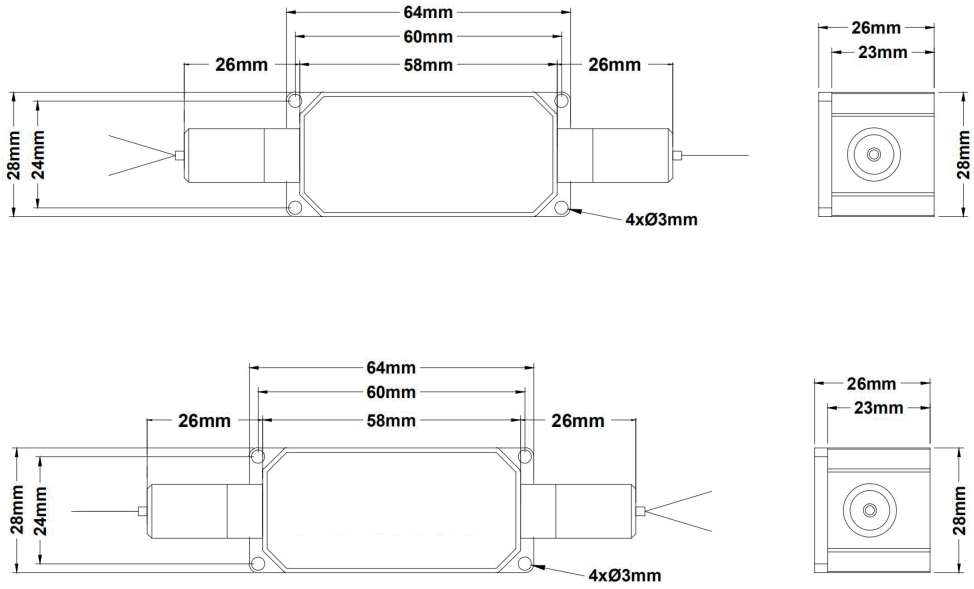
MECHANICAL DRAWING



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

* With connectors, the handling power is 1 W only, IL is 0.3 dB higher, RL is 5 dB lower, ER is 2 dB lower.