

# 0105 Hybrid Device

**H3100-P**



## PM Isolator & WDM Hybrid (T1550R980)

The device is characterized with low insertion loss, high return loss, high extinction ratio and high isolation. It has been widely used in compact fiber amplifiers, fiber laser and testing equipment.

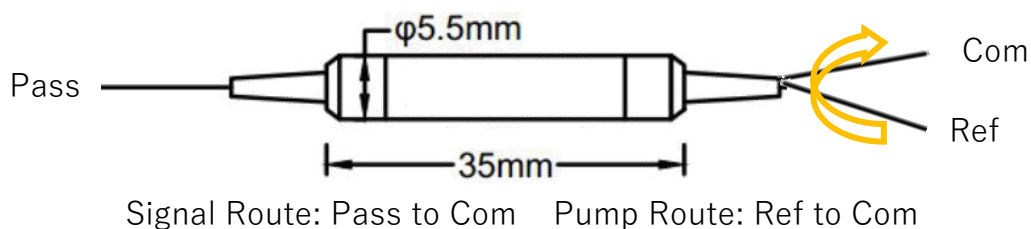
### FEATURES

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

### USE IN

- Fiber Amplifier
- Fiber Laser
- Testing Equipment

### MECHANICAL DRAWING



Stage	Single	Dual	
Signal Channel	Signal Wavelength Range		
	1535 nm to 1565 nm		
	Insertion Loss	0.9 dB max.	1.0 dB max.
	Peak Signal Reversed Isolation	40 dB typ.	52 dB typ.
	Signal Reversed Isolation	28 dB min.	45 dB min.
Reflection Channel	Isolation (Com to Pass @ Ref band Wavelength)		
	30 dB min.		
	Extinction Ratio		
	20 dB min.		
Return Loss	Wavelength Range		
	960 nm to 990 nm or 1460 nm to 1490 nm		
	Insertion Loss	0.6 dB max.	
Insertion Loss Thermal Stability	Isolation (Com to Ref @ Pass band Wavelength)		
	15 dB min.		
Power Handling	Extinction Ratio		
Tensile Load	18 dB min.		
Operating Temperature	50 dB min.		
	0.005 dB/°C max.		
	300 mW max.		
	5 N max.		
	-5°C to +70°C		

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**