

# 1103 PM Fused Coupler

**C3030-P**



## 2x2 1550 nm PM Filter Coupler, 10/90

The coupler offers very low insertion loss, high return loss and high extinction ratio. It can be used for fiber sensor, fiber optical instrument, EDFA & raman amplifier.

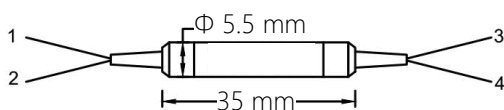
### FEATURES

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

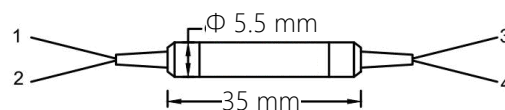
### USE IN

- EDFA & Raman Amplifier
- Fiber Sensor
- Fiber Optical Instrument

### MECHANICAL DRAWING



Routing path is 1 to 2(tap), 3 or 4 to 3(tap), 2  
Both axis working



Routing path is 1 to 3, 4(tap) & 3 to 1, 2(tap)  
Slow axis working, Fast axis blocked

Type	2x2	
Center Wavelength	1550 nm	
Operating Bandwidth Range	±40 nm	
Excess Loss	1.0 dB max.	
Coupling Ratio	10/90	
Extinction Ratio	Both Axis Working	20 dB min.
	Fast Axis Blocked	22 dB min.
Return Loss	50 dB min.	
Optical Power (CW)	500 mW max.	
Tensile Load	5 N max.	
Fiber Type	In & Out	PM Panda Fiber
	Tap	PM Panda fiber or SMF-28E
Operating Temperature	-5°C to +70°C	
Storage Temperature	-40°C to +85°C	

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

**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.**