

W1012-S



## Fused Fiber Pump WDM Combiner: 1460 nm to 1464 nm/1488 nm to 1492 nm, 4 Port

This WDM based pump combiner utilizes fuse fiber technology to combine two bands of wavelength. It features low insertion loss, low PDL, and negligible PMD. This device is used for building broadband, low noise Raman amplifiers for ultra-long haul networks.

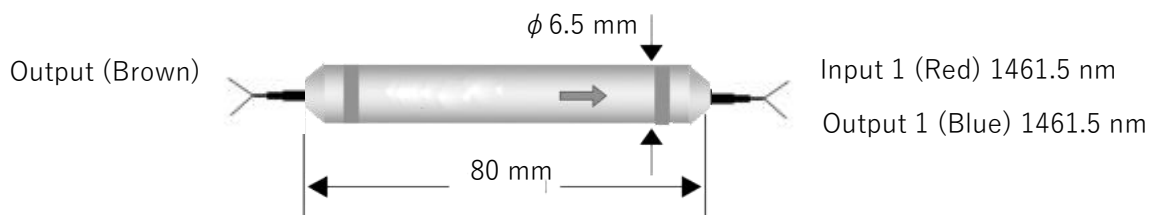
### FEATURES

- Low Insertion Loss
- Low PDL
- Negligible PMD
- High Stability and Reliability

### USE IN

- Building Broadband
- Low-noise EDFAs
- Raman Amplifiers for Ultra-long Haul Networks

### MECHANICAL DRAWING



Insertion Loss @WL	0.30 dB max.
Insertion Loss @ $\pm 2$ nm	0.40 dB max.
Isolation@ $\pm 2$ nm	13.5 dB min.
PDL	0.2 dB max.
Return Loss	45 dB min.
Dimension	6.5x6.5x80 mm
Operating Temperature	-10°C to +75°C
Storage Temperature	-40°C to +85°C

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

**1) Connector FC/APC, 900  $\mu$ m, 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.**