

W1028-S



## 1x2 Thin Film Based WDM Combiner: 1420 nm to 1443 nm/1452 nm to 1490 nm

This WDM based pump/signal combiner utilizes thin-film filter technology to combine the pump power with the input signal. It features low insertion loss, low PDL, and negligible PMD. This device is used for building broadband, low-noise EDFAs and Raman amplifiers for ultra-long haul networks. It is housed in a high-power handling metal package.

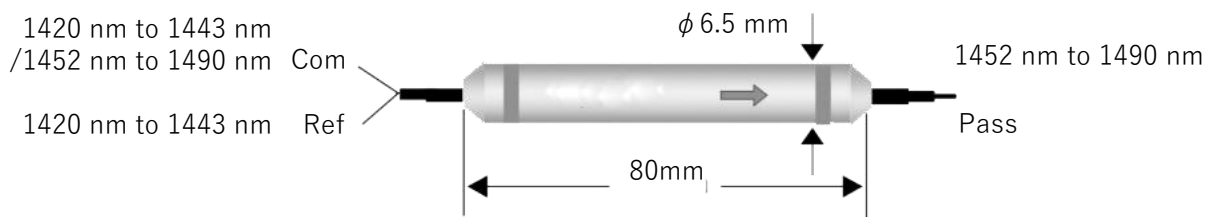
### FEATURES

- 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 @ $\pm 2.0$ nm	0.73 dB max.
Isolation @ $\pm 2.0$ nm	8.70 dB min.
PDL	0.10 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.**