

# W1044-S

uoma

## 1x2 Thin Film Based WDM Combiner: 1450 nm to 1608 nm /1617 nm tn 1673 nm

This WDM based pump combiner utilizes thin-film filter 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

Haul Networks

• High Stability and Reliability

Raman Amplifiers for Ultra-long

#### USE IN

- Building Broadband
- Low-noise EDFAs

### FUNCTIONAL DIAGRAM

Port 3 (Com)  $\lambda_1 = 1450 - 1608 \text{ nm}$ λ<sub>2</sub>=1617-1623 nm Port 2  $\lambda_2$ Port 1  $\lambda_1$ 1617-1623 nm 1450-1608 nm T-Band (Black) Single (Purple) Port Common to Port 2 @  $\lambda_2$ 0.8 dB Insertion Loss Port Common to Port 1 @  $\lambda_1$ 0.6 dB Port Common to Port 2 @  $\lambda_1$ 40 dB min. Isolation Port Common to Port 1 @  $\lambda_2$ 15 dB min.

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.

Product specifications and price are subject to change without notice. © 2023 WDMQuest. Mar 2023 Rev. 5.0

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