

488/532nm Single Mode Fused WDM

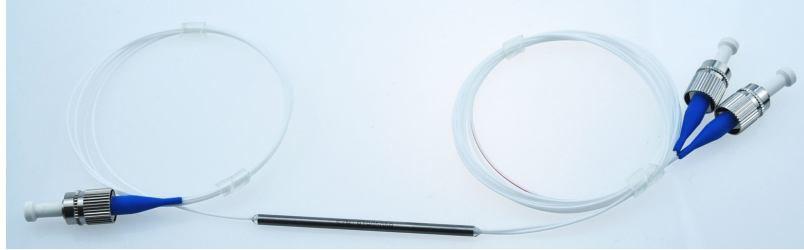
Key Features

- Low PDL
- Low insertion loss
- High wavelength isolation
- Extremely good stability and reliability

Applications

- Fiber Laser
- Fiber amplifier
- Testing Instrumentations

DK Photonics' 2-Color Fused Fiber Combiners, also known as wavelength division multiplexers (WDMs), consist of two separate input fibers that each accept a different wavelength of light and a single, common output fiber accepting both input wavelengths. Designed for laser lines commonly used in life science applications, these 2-color combiners are ideal for dual-color fluorescence imaging using confocal microscopy or laser scanning microscopy setups.



Performance Specifications

Parameter	Unit	Values
Operating wavelength	nm	488/532
Operating bandwidth	nm	±5
Insertion loss	dB	≤0.50
Isolation	dB	≥13
PDL	dB	≤0.20
Return Loss	dB	≥55
Fiber Type	-	460-HP
Maximum Power Handling	mW	50 mW (With Connectors or Bare Fiber), 100 mW (Spliced)
Operating temperature	°C	-40 ~ +85
Storage Temperature	°C	-50 ~ +85
Package Dimension	mm	Φ3.0×60(bare fiber), or Φ3.0×70(900μm loose tube)

1. Above specification are for device without connector, and may change without notice.
2. Other specifications and wavelength can be made on customer request.
3. IL is 1.5 dB higher and RL is 5 dB lower for each connector added.

Order information P/N: FBTWDM-①-②-③-④-⑤

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better. If need any connector, we do not recommend choosing a 250μm bare fiber pigtail.

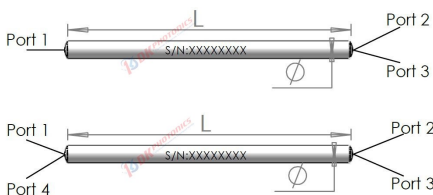
①	②	③	④	⑤
Port	Wavelength	Pigtails Diameter	Fiber Length	Connector
102:1x2	XXX/XXX (488/532,488/633)	25:250μm 90:900μm XX: Others	05:0.5m 10:1.0m 15:1.5m XX: Others	00: None FP: FC/PC FA: FC/APC XX: Others

Part Number Example: FBTWDM-102-488/532-25-10-00

Description: 1x2 488/532nm SM fiber fused WDM, 460-HP fiber, bare fiber, 1.0m length fiber pigtails, without connectors at all ports.

Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.



For more Info

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