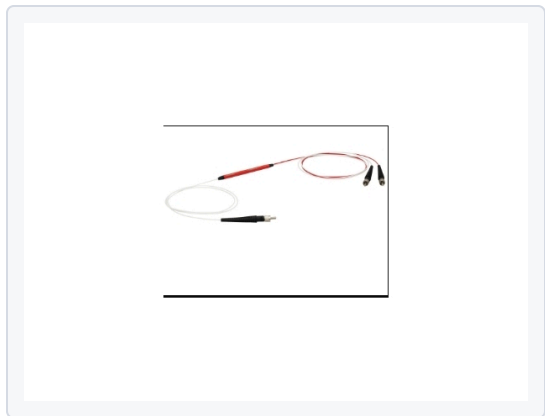


PASSIVE COMPONENTS

1x2 Multimode 50/50 Coupler

Multimode 50/50 coupler for 850 nm short-reach and sensing systems.



Key Features

- Even 50:50 multimode split
- 850 nm center with ± 20 nm bandwidth
- Insertion loss ≤ 3.9 dB at the 50% port
- Passive — no power required

Applications

- Short-reach multimode links
- Industrial optical sensing
- VCSEL-based test setups
- Instrumentation and monitoring

Overview

An even multimode splitter for 850 nm work, with ± 20 nm of bandwidth. Multimode at 850 nm is the short-reach domain — data center links, industrial sensing and instrumentation running on VCSELs and large-core fiber.

Insertion loss is 3.9 dB at the 50% port, against a 3.0 dB theoretical floor for an even split.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Coupling Ratio	50 : 50		
Operating Wavelength	850 ± 20	nm	
Insertion Loss	≤ 3.9	dB	50% port

Order or request a quote

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lightwitphotonics.com

Monday–Friday, 8:00 AM – 6:00 PM Pacific

Lightwit Photonics Co., Ltd.

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