

1.6T MT-FAU&OE LENS

Description

Vlink's 1.6T MT-FAU&OE LENS is a High-Density, High-Performance optical jumper solution designed for 1.6T transceivers and High-Speed optical interconnection applications. This product integrates MT-Type Fiber Array Unit (MT-FAU) with precision optical engine (OE) lens components, featuring optimized Single-Lane 200G PAM4 transmission performance. The specially designed OE lens significantly improves coupling efficiency and reduces coupling difficulty, while providing ultra-low insertion loss, excellent alignment accuracy, and superior reliability for high-speed optical interconnections. It fully meets the strict requirements of data center and telecom network applications for 1.6T and above high-speed optical transmission systems.

Key Features

- Ultra-Low Insertion Loss, Typical < 0.3 dB per Channel
- Sub-Micron Alignment Accuracy, OE LENS Based Positioning
- Customizable Fiber Length and Connector Options

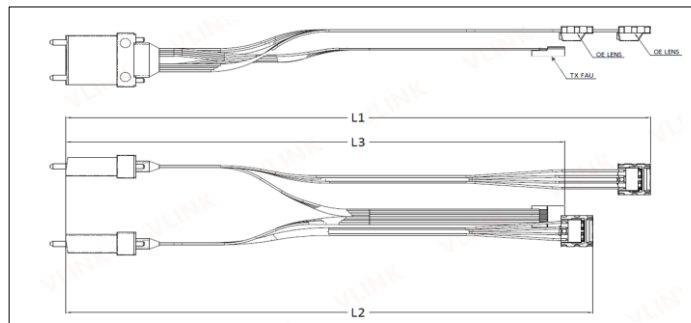
Applications

- Data Center Applications for 1.6T

Specifications

Parameter	Unit	Value
Wavelength	nm	1310
Channel Count		16
Typ. Insertion Loss	dB	0.30
Max. Insertion Loss	dB	0.35
Max. Pitch Error	μm	5
Fiber Length Tolerance	%	± 0.3 or Specify
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

Package Dimensions



Ordering Information

FA-①-②-③-④-⑤-⑥-⑦-⑧-⑨

①: Fiber Count

1 - 16 Channel

S - Specify

②: AR-Coating

NO - NO Coating

1 - R < 0.05% @ 1300 - 1320 nm

S - Specify

③: Material Type

1 - PEI

2 - Fused Silica

S - Specify

④: Port Spacing

1 - 127 μ m

2 - 250 μ m

3 - 750 μ m

S - Specify

⑤: Polishing Angle

1 - 0°

2 - 8°

3 - 10°

S - Specify

⑥: Fiber Length

1 - 0.1m

S - Specify

⑦: Fiber Type

1 - SM Fiber

S - Specify

⑧: FAU Thickness

1 - 0.8 mm

2 - 1.0 mm

S - Specify

⑨: Connector Type

7 - MT

8 - MPO

N - None

S - Specify