

6 Modes Division Multiplexer/DeMultiplexer (Prototype)

Highly efficient all-fiber optic
mode converting device

Patent pending

Features

- All-fiber optic construction
- Low loss mode muxing/demuxing
- Communication band optimization
- Available with or without connectors

Applications

- Mode division multiplexing for optical communications
- Excitation of higher order modes



Specifications

Dimension (mm)	50(H)×220(W)×250(D)
Wavelength range (nm)	1515 - 1590
Band optimization (nm)	1530 - 1565 (C Band)

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Test Data

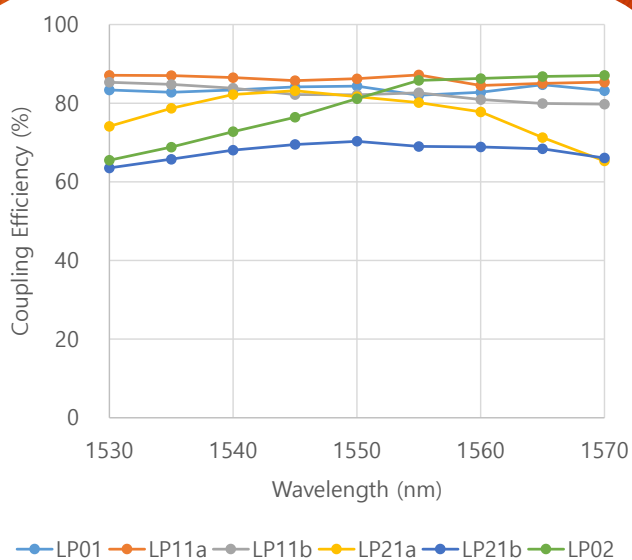
Mode Division Multiplexer/Demultiplexer Performance at 1550 nm

	LP ₀₁	LP _{11a}	LP _{11b}	LP _{21a}	LP _{21b}	LP ₀₂
Coupling efficiency (%)	84	86	82	82	70	81
Extinction ratio (dB)	16	21	20	16	18	16

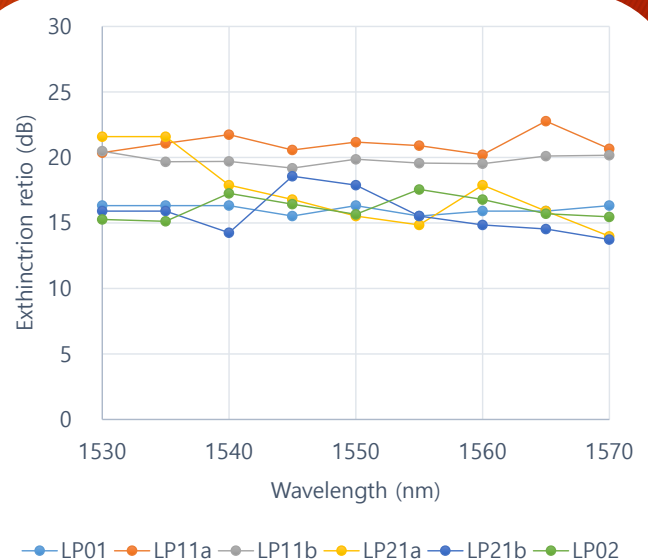
Temperature : 25 °C

*Due to the manual fabrications, coupling efficiency and extinction ratio can vary for individual units.

Coupling efficiency (%)



Extinction ratio (dB)



Ordering Code

