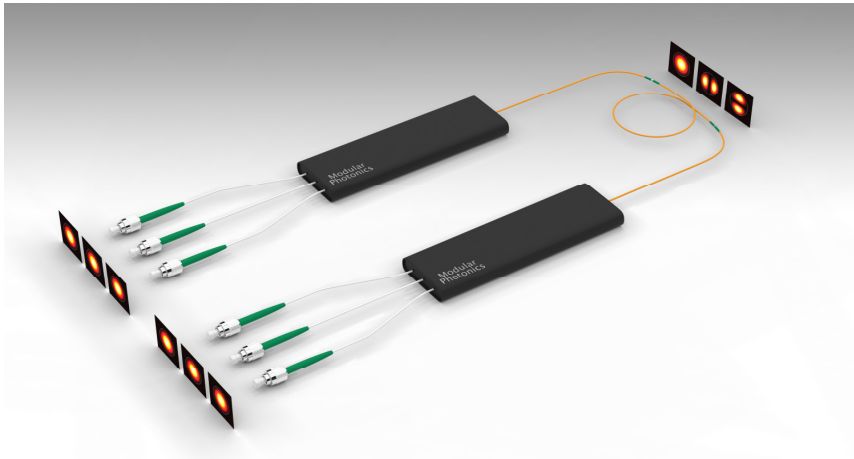




Specifications | LPMUX3-1550

Mode-Selective Mode Multiplexer | 3 Modes (S+C+L Band)



OVERVIEW

- Compact Integrated Device
- Direct one-to-one mode mapping.
- Ultra-broadband mode multiplexing ($LP_{01}, LP_{11a}, LP_{11b}$)
- > 18 dB mode extinction
- IL < 2.5 dB, PDL < 0.1 dB
- Custom orders available: connectors, wavelengths, fiber lengths.

Parameter	Value	Typical
† Operating Wavelength	1450 – 1650 nm	–
1,* Insertion Loss LP_{01}	<2 dB	1.4 dB
1,* Insertion Loss LP_{11a}	<2.5 dB	1.9 dB
1,* Insertion Loss LP_{11b}	<2.5 dB	1.9 dB
*Mode-Extinction Ratio LP_{11a}	>18 dB	20 dB
*Mode-Extinction Ratio LP_{11b}	>18 dB	20 dB
*Tested Operating Power	≤ 1 W CW	
Fiber Array Connectors	FC/APC or User-Specified †	–
† Single-Mode Fiber Length	> 1 m	–
Few-Mode Fiber Type	OFS 2-Mode Graded Index	–
† Few-Mode Fiber Connector	FC/APC or User-Specified †	–
† Few-Mode Fiber Length	> 1 m	–
Package Dimensions	90 x 20 x 10 mm	–
Operating Temperature	-5 to 70 °C	–
Storage Temperature	-50 to 85 °C	–

†Enquire about custom orders.

‡Total insertion loss including connectors.

*Specifications at 1550 nm.

