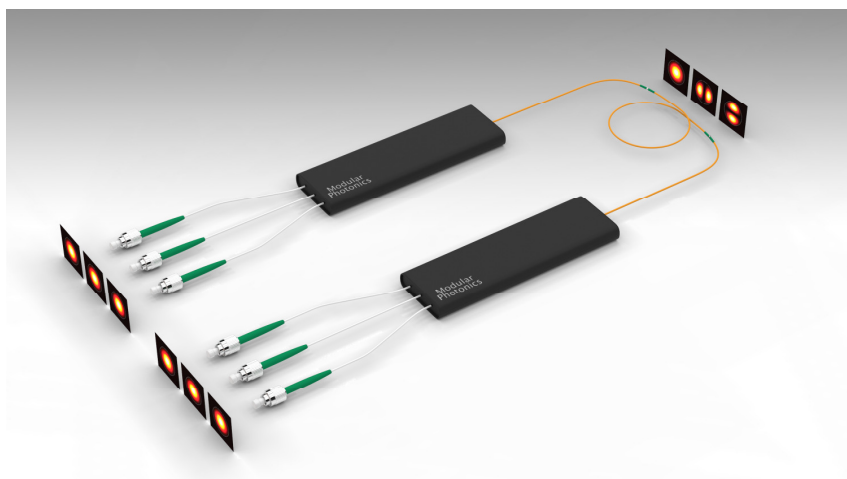


Specifications | LPMUX3-1550

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



OVERVIEW

- Compact Integrated Device
- 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
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.

¹ Total insertion loss including connectors.

^{*} Specifications at 1550 nm.

CONTACT

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