

Few Mode Fiber LP₁₁ Mode Stripper

Product Overview

The Phoenix Photonics in-fiber mode stripper is fabricated on dual mode optical fiber. The mode stripper attenuates the LP₁₁ mode whilst allowing the LP₀₁ to pass with low loss. The component is used to define a high quality LP₀₁ following possible mode mixing by splices etc. The quality of the LP₁₁ mode generated by the Phoenix mode converters is dependent on a pure LP₀₁ input mode. The mode stripper ensures optimum isolation for the output mode.



Technical Details

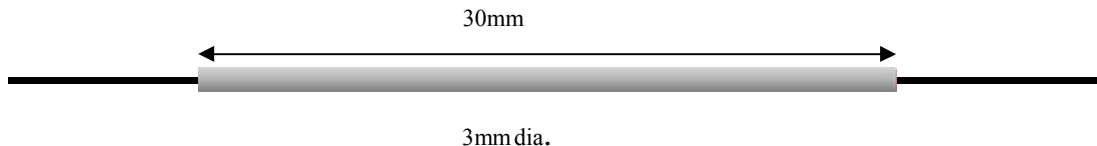
SPECIFICATION	Units	
Wavelength	nm	1520 - 1580
Insertion Loss ¹	dB	<1
Return Loss ¹	dB	>60
Operating Temperature Range	°C	-5 to 70
Storage Temperature	°C	-40 to +85

Notes

- Losses do not include connectors.

Dimensions

All dimensions are approximate and may vary slightly.



Ordering Information

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Features & Applications

FEATURES

- High loss LP₁₁, low loss LP₀₁
- Compact design
- Custom fiber design
- High mode isolation
- Low loss

APPLICATIONS

- LP₀₁ to LP₁₁ mode conversion and LP₁₁ to LP₀₁ conversion
- Mode division multiplexing/demultiplexing
- Dual mode fiber component test
- Dual mode fiber sensors