OPTICAL WAVELENGTH DIVISION MULTIPLEXED
MULTIPLEXER/DEMULTIPLEXER FOR AN OPTICAL PRINTED CIRCUIT BOARD AND A METHOD OF MANUFACTURING THE SAME

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ABSTRACT
The invention provides an optical mux/demux for an optical printed circuit board. The mux/demux comprises: a first waveguide formed on a support layer for carrying a wavelength division multiplexed optical signal; a separator/combiner for separating the wavelength division multiplexed signal into component signals of corresponding wavelengths or for combining component signals into the said wavelength division multiplexed signal; and plural second waveguides, each for receiving or providing one or more of the said component signals, wherein the separator/combiner is at a predetermined location relative to the waveguides.

16 Claims, 10 Drawing Sheets