coupling loss variation of this converter are less than 1.0 dB at the wavelength range of 1520 ~1640 nm. 1-dB bandwidth is more than 120 nm for both TE and TM modes. The alignment tolerance for 1-dB excess loss is ~ ± 2.8 µm in horizontal direction and ~ ± 2.1 µm in vertical direction for both TE and TM modes.

Acknowledgments

The authors would like to thank National Natural Science Foundation of China (61177064) for financial support.

#152831 - $15.00 USD Received 15 Aug 2011; revised 20 Sep 2011; accepted 22 Sep 2011; published 18 Oct 2011