

ABSTRACT

An optical integrated device and a preparation method therefor. The preparation method for the optical integrated device comprises: providing a first substrate (100), and mounting an optical chip (200) on the first substrate (100), the optical chip (200) being used to emit a light beam; providing a second substrate (300), and mounting a modulation chip (400) on the second substrate (300), the modulation chip (400) being used to modulate the light beam emitted by the optical chip (200); providing a connection assembly (500), the connection assembly (500) comprising a first connector (510) and a second connector (520), and the first connector (510) and the second connector (520) matching each other; fixing the second connector (520) to the second substrate (300); connecting the first connector (510) to the second connector (520); adjusting the position of the second substrate (300) relative to the first substrate (100) until the modulation chip (400) and the optical chip (200) achieve optimal optical coupling, and fixing the first connector (510) to the first substrate (100). The present method may greatly reduce the difficulty of the preparation process of the optical integrated device, and improve the production yield of the optical integrated device.

Fig. 1