

ABSTRACT

An optical semiconductor device is provided that includes an emitted beam dividing portion (61) for dividing an emitted light beam from the laser element (51), a reflected beam dividing portion (71) for dividing a reflected light beam from an information recording medium (3) into light beams in different focused states, servo-signal-detecting photodetector elements (43, 45) for receiving the reflected light beams obtained by the division by the reflected beam dividing portion in a defocused state, a first diffraction grating that is provided in the emitted beam dividing portion and that diffracts the reflected light beam having passed through the reflected beam dividing portion, and a signal-detecting photodetector element (47) for receiving reflected light beams having been subjected to the diffraction by the first diffraction grating.



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