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The invention relates to the field of optoelectronics and is meant for fine phase control in the systems for transmission and processing of optical information.

The optical phase shifter includes a core, a shell and a control element, placed outside the shell. Novelty of the invention consists in that the core is made in the form of disperse colloidal medium of $Y_3Fe_5O_{12}$ powder and cedar oil, the shell is formed as a quartz tube, and as control element it is used a coaxially placed inductance coil. At the input and output of the phase shifter there are placed optical lens.

Claims: 1

Fig.: 1