

OPTICAL PROPERTIES OF GaAs/AlGaAs DBR MIRROR FOR OPTOELECTRONICS DEVICES

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ABSTRACT

In this paper, we present a modeling analysis of Distributed Bragg Reflector (DBR) mirror comprises of alternating GaAs and AlGaAs semiconductor layers. Highly reflective mirror exceeding 99% has been obtained in this mirror, making the mirror system very promising for optoelectronics devices application. The optical properties derived from simulated reflectivity and absorption spectrums of the GaAs/AlGaAs DBR mirror are reported.

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