

OPTICAL CHARACTERISTICS AND PARAMETERS OF GAS-DISCHARGE ATMOSPHERIC PRESSURE PLASMA IN A MIXTURE OF MERCURY DIODIDE AND MERCURY DIBROMIDE VAPOR, NITROGEN AND HELIUM

The results of diagnostics of spectral, temporal, and energy characteristics of radiation of a gas-discharge plasma on a mixture of mercury dibromide vapor and mercury diiodide vapor with helium and nitrogen in the spectral range 350 ± 800 nm, as well as plasma parameters in the range of reduced electric field $E / N = 1-100$ Td are presented.

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