61
Accession number:20122115044415
Title:A terahertz radiation spectrum analyzer
Authors:Anzin, V.B. (1); Lebedev, S.P. (1); Komandin, G.A. (1); Porodinkov, O.E. (1); Spektor, I.E. (1)
Author affiliation:(1) Prokhorov Institute of General Physics, Russian Academy of Sciences, ul. Vavilova 38, Moscow, 119991, Russia
Corresponding author:Anzin, V.B.
Source title:Instruments and Experimental Techniques
Abbreviated source title:Instrum. Exp. Tech.
Volume:55
Issue:1
Issue date:January 2012
Publication year:2012
Pages:149-150
Language:English
ISSN:00204412
Document type:Journal article (JA)
Publisher:Maik Nauka-Interperiodica Publishing, Profsoyuznaya Ul. 90, Moscow, 117997, Russia
Abstract:A spectrum analyzer of terahertz radiation pulses has been designed for spectroscopic studies of condensed media, gases, and plasmas. The operating frequency range is 0.05-6.00 THz, the frequency resolution is 0.5 cm ⁻¹, and the aperture is 40 mm. © Pleiades Publishing, Ltd., 2012.
Number of references:1
Main heading:Spectrum analyzers
Controlled terms:Electromagnetic wave emission - Spectroscopic analysis - Terahertz waves
Uncontrolled terms:Condensed media - Frequency resolutions - Operating frequency - Spectroscopic studies - Terahertz radiation
Classification code:711 Electromagnetic Waves - 801 Chemistry - 941 Acoustical and Optical Measuring Instruments - 942 Electric and Electronic Measuring Instruments - 943 Mechanical and Miscellaneous Measuring Instruments - 944 Moisture, Pressure and Temperature, and Radiation Measuring Instruments
DOI:10.1134/S0020441212010265
Database:Compendex