THZ QUASI-OPTICAL RADIO MEASURING DEVICES AND CIRCUITS

Some elements of the set

Specification

The elements and circuits are based on oversized low-loss waveguides with dielectric walls and consist of such devices as attenuators, phase shifters, polarization plane rotators, etc. The operating wave is characterized by plane phase front, linear polarization, and axially symmetric amplitude distribution that has a maximum on the waveguide axis and smoothly decreases towards the walls. F = 100—1000 GHz

Areas of Application

This set of quasi-optical elements is to be used for designing radio measuring schemes for plasma diagnostics in radio detection and ranging, industry, spectroscopy, nondestructive testing, and biomedicine, as well as for educational purposes

Advantages

The product has no analogs in Ukraine and abroad

Stage of Development. Suggestions for Commercialization

IRL7, TRL8
Manufacture, delivery, warranty service, and staff training, upon request

IPR Protection

IPR1, IPR3

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