

MULTIELEMENT LASER RADIATION RECEIVER



Areas of Application

The device is designed to measure energy distribution in cross sections of powerful laser radiation beams

Advantages

The use of ceramic materials resistant to powerful laser radiation for the receiving components and special semiconductor material for the thermopiles enables to cover the energy range from $5 \cdot 10^{-2}$ to 50 J/cm^2

IPR Protection

IPR3

Specification

Spectral range, μm	0.4–11.0
Pulse duration, s	$10^{-3} - 5 \cdot 10^{-9}$
Energy range, J/cm^2	$5 \cdot 10^{-2} - 50$
Elementary platform area, mm^2	$1 \times 1 - 16 \times 16$
Conversion ratio, mV/J	≥ 100
Time of keeping the measurement results at the level of 0.99 maximum amplitude, s	≥ 0.1
Period between two measurements, s	≤ 5.0

Stage of Development.

Suggestions for Commercialization

IRL6, TRL6
Manufactured and supplied, upon request

Contact Information

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