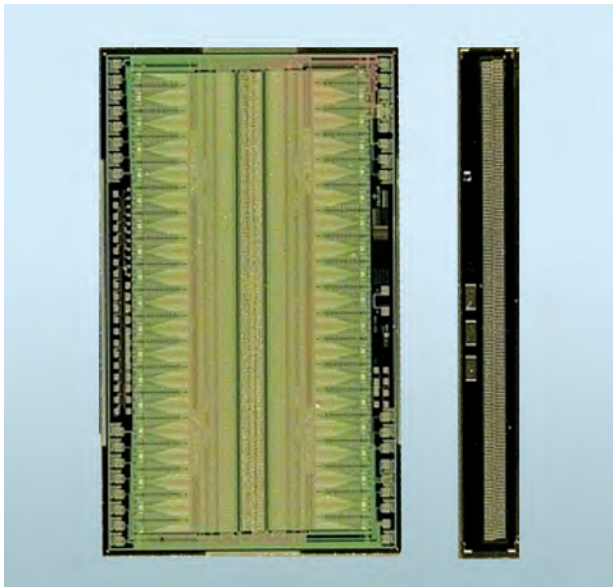
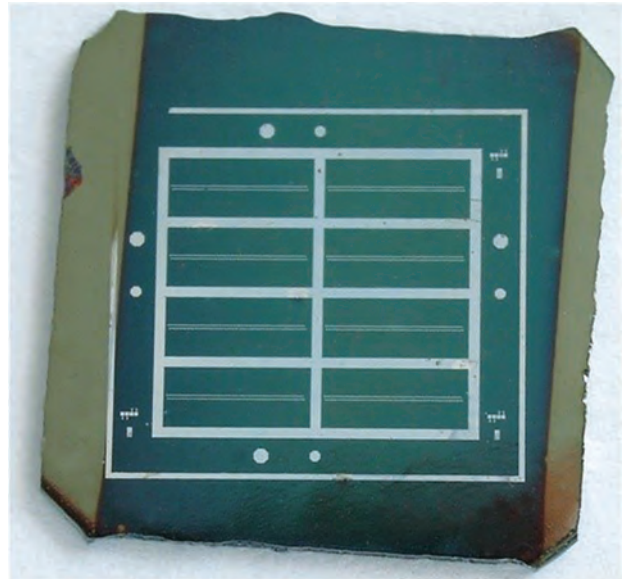
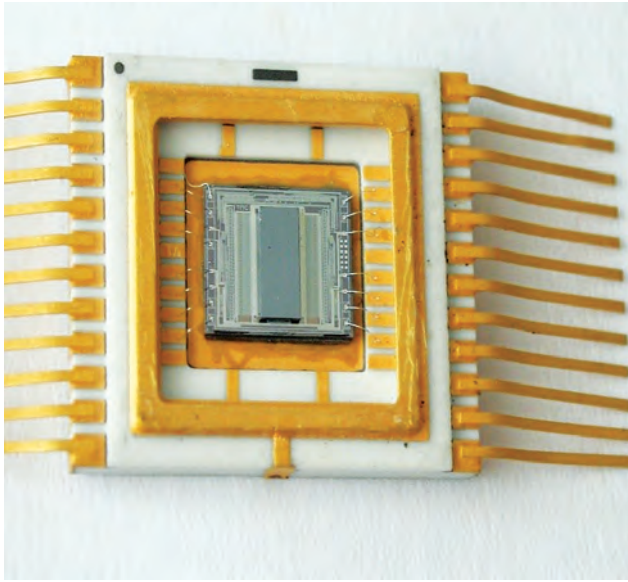


MULTI-ELEMENT INFRARED DETECTORS



Samples of multi-element infrared detectors for 3–5 μm and 8–12 μm spectral regions

Areas of Application

The IR detectors are to be used in systems for detection, tracking, and discrimination of objects, as well as in monitoring and security systems in metallurgy, power engineering, and defense industry

Specification

Spectral range, μm	3–5, 8–12
Detector's format	6
Operating temperature, K	≤ 80
Detectability D_x^* :	
3–5 μm	$\geq 5 \cdot 10^{10} \text{ cm} \cdot \text{Hz}^{1/2} \cdot \text{W}^{-1}$
8–12 μm	$\geq 3 \cdot 10^{10} \text{ cm} \cdot \text{Hz}^{1/2} \cdot \text{W}^{-1}$

Advantages

There are no analogs in Ukraine

Stage of Development.
Suggestions for Commercialization

IRL3, TRL3
Sample manufacture, upon request

IPR Protection

IPR1, IPR2

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