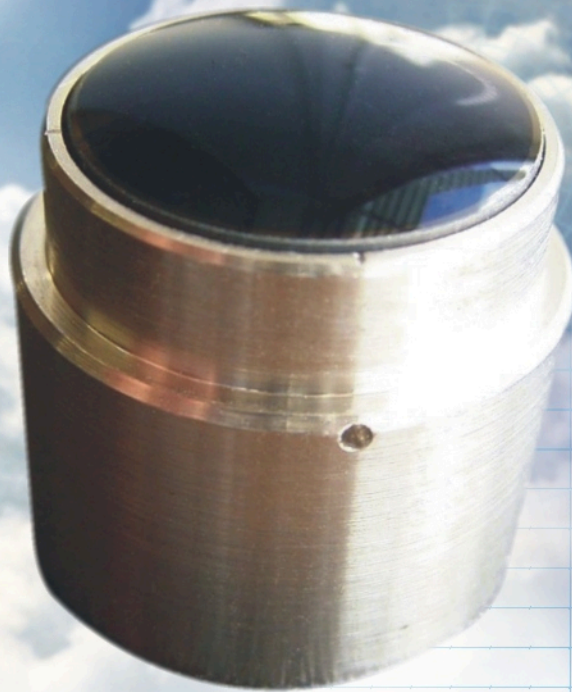


MDL 1

Missile Detector



Overview

The MDL1 detector is used in laser-guided missile applications. The detector consists of a quadrant detector diode and integrated ASIC, featuring gain control and signal processing functionality. The detector unit is mounted in an electromagnetic-shielded housing with an integrated lens. The electric interface is via a miniature connector at the back of the unit.

Specifications

- Type : Quadrant detector
- Optical dimensions : 4 mm x 4 mm (per detector)
- Wavelength : 850 nm to 1 100 nm
- Bandwidth : 100 kHz to 15 MHz (typical)
- Dynamic range : > 50 dB
- Noise current: : < 20 nA

