Pyroelectric Single Element Detector for Measurement Applications

- **element size**: Ø 1 mm
- **aperture**: 5.0 mm
- **filter**: custom-designed
- **responsivity¹ ²**: >1200 V/W
- **noise¹**: <200 nV/√Hz
- **specific detectivity¹ ²**: >5·10⁸ cm√Hz/W
- **offset voltage**: 0.4 to 1.5 V
- **operating voltage**: 2 to 18 V
- **housing**: TO 39
- **operating temperature**: –20 to 70 °C
- **storage temperature**: –20 to 70 °C

1) frequency: 10 Hz, detector temperature: 25 °C
2) black body source temperature: 500 K, filter transmission: 100 %
3) other filters on request

Further developments may entail modifications of indicated data without notification. Revision 05/2005.