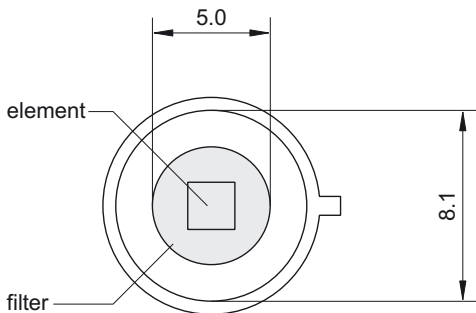
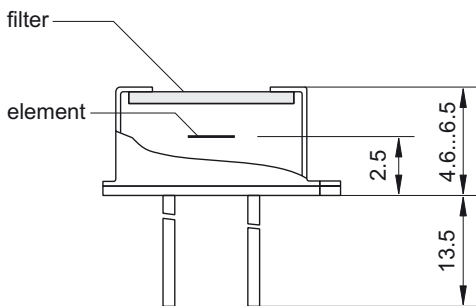
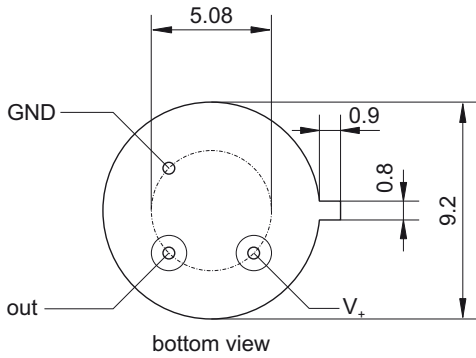


# LTA G2C100PC

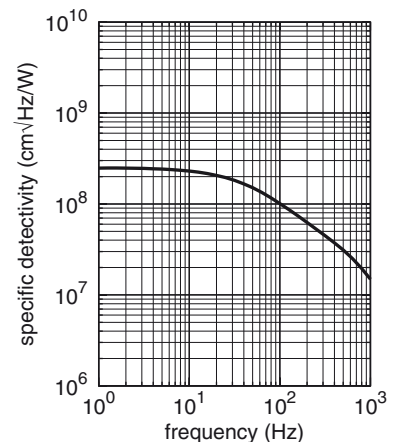
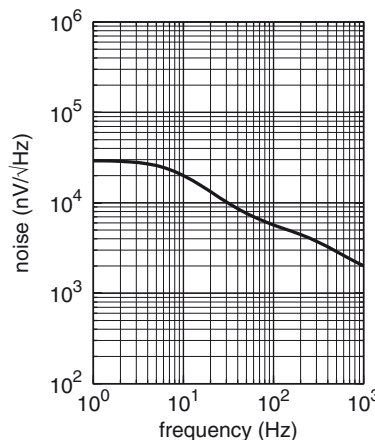
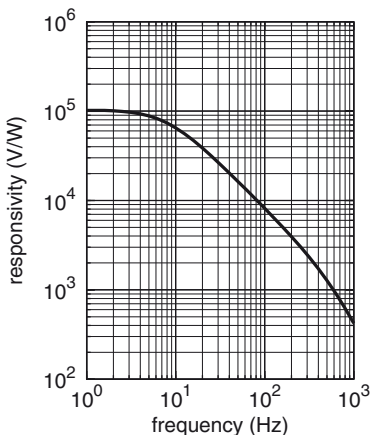
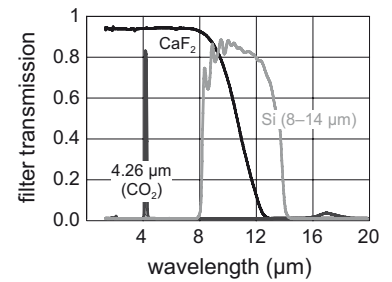
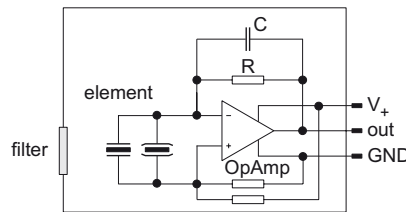
Pyroelectric Single Element Detector for measurement application



|   |                             |
|---|-----------------------------|
| <b>Element size</b>                       | 2 mm × 2 mm                 |
| <b>Aperture</b>                           | 5.0 mm                      |
| <b>Filter<sup>1</sup></b>                 | custom-designed             |
| <b>Responsivity<sup>2,3</sup></b>         | > 65000 V/W                 |
| <b>Noise<sup>2</sup></b>                  | < 20000 nV/√Hz              |
| <b>Specific detectivity<sup>2,3</sup></b> | 2.3·10 <sup>8</sup> cm√Hz/W |
| <b>Thermal compensation</b>               | parallel                    |
| <b>Offset voltage</b>                     | <5 mV                       |
| <b>Operating voltage</b>                  | 2.2 V to 8 V                |
| <b>Housing</b>                            | TO 39                       |
| <b>Operating temperature</b>              | -20 to 70 °C                |
| <b>Storage temperature</b>                | -20 to 70 °C                |

<sup>1</sup> Other filters on request. <sup>2</sup> Frequency: 10 Hz, ambient temperature: 25 °C.

<sup>3</sup> Black body source temperature: 500 K, Filter transmission: 100 %.



Technische Änderungen vorbehalten. Technical details are subject to change. 24.06.19



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