



# Electro Optical Components, Inc.

5464 Skylane Boulevard, Santa Rosa, CA 95403

Toll Free: 855-EOC-6300

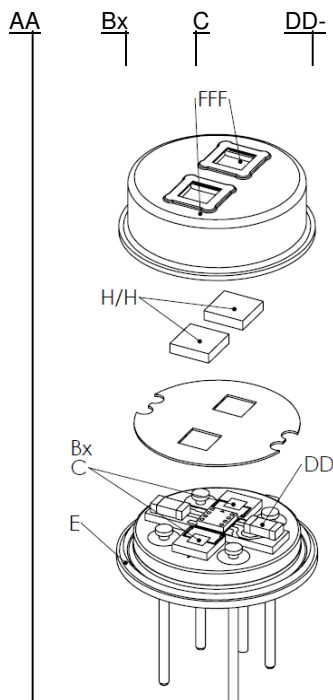
[www.eoc-inc.com](http://www.eoc-inc.com) | [info@eoc-inc.com](mailto:info@eoc-inc.com)



## Numerical code Pyroelectric detectors



**MICRO-HYBRID**



Filter:

- A1 – Sapphire
- A2 – Calcium fluoride
- A3 – Germanium (ARC 2-16 μm)
- ...

For all filters and more information see filter application note.

Other filters on customers request.

Filling gas:

- N2 – Nitrogen
- Kr – Krypton

Aperture:

- S1.5 – Square 1.5x1.5mm<sup>2</sup>
- D2.4 – Diameter 2.4 mm (only with body B)
- D3.7 – Diameter 3.7mm

Body:

- A – TO39
- B – TO46 (only with internal circuitry 0)

Internal circuitry:

- 0 - None
- V1 - voltage mode with JFET
- C2 - current mode with low noise op amp and 10 GOhm feedback resistor
- C4 - current mode with low noise op amp and 1 GOhm feedback resistor
- C6 - current mode with low noise op amp and 50 GOhm feedback resistor
- C8 - current mode with low noise op amp and 100 GOhm feedback resistor
- C10 - current mode with low noise op amp and 100 MOhm feedback resistor

- UX –unipolar supply (e.g. U2: unipolar current mode, low noise op amp and 10GOhm)
- X-1 standard OPV (e.g. C1: current mode, standard op amp and 10GOhm)

Chip:

- 1 – PZT pyro chip; absorber size square 0.8x0.8mm<sup>2</sup>
- 2 – PZT pyro chip; absorber size square 0.7x0.325mm<sup>2</sup>
- 3 – PZT pyro chip; absorber size square 1.65x1.65mm<sup>2</sup>
- 4 – PZT pyro chip; absorber size square 1.05x1.05mm<sup>2</sup>, 3x3 PyroPile configuration
- 5 – PZT pyro chip; absorber size square 1.9x1.9mm<sup>2</sup>, 3x3 PyroPile configuration

Number of channels:

- 1
- 2
- 4 (only with chip 2)

PS Pyroelectric sensor

For example: **PS2x1C8-A-S1.5-Kr-E1/D1**