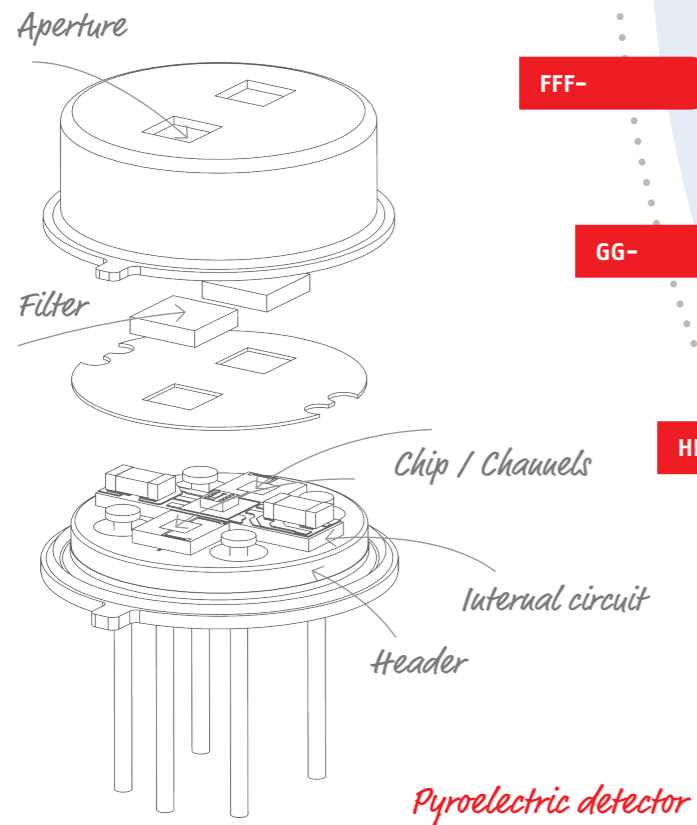


Micro-Hybrid Numerical code

Pyroelectric detectors

With this numerical code you can easily choose the right combination of detector parts according to your applications demands.

➤ For Example
PS2x1C8-A-S1.5-Kr-E1/D1



AA- PS2x1C8-...
Pyroelectric sensor

Bx PS2x1C8-...
Channel 1-4

C PS2x1C8-...
Chip
1 - PZT pyro chip; absorber size square 0.8 x 0.8 mm²
2 - PZT pyro chip; absorber size square 0.7 x 0.325 mm²
3 - PZT pyro chip; absorber size square 1.65 x 1.65 mm²
4 - PZT pyro chip; absorber size square 1.15 x 1.15 mm²

DD- PS2x1C8-A-S1.5-Kr-E1/D1
Internal circuitry
V1 - voltage mode with JFET
C2 - current mode with low noise op amp and 10 GOhm feedback resistor
C8 - current mode with low noise op amp and 100 GOhm feedback resistor

E- PS2x1C8-A-S1.5-Kr-E1/D1
Header
A - T039

FFF- PS2x1C8-A-S1.5-Kr-E1/D1
Aperture
S1.5 - Square 1.5 x 1.5 mm²
D3.7 - Diameter 3.7 mm

GG- PS2x1C8-A-S1.5-Kr-E1/D1
Filling gas
Kr - Krypton
N₂ - Nitrogen
Other filling gases on customers request.

HH/HH/HH/HH PS2x1C8-A-S1.5-Kr-E1/D1
Filter
D1 - Reference (4000 - 80 nm)
E1 - CO₂ (4265 - 120 nm)
F1 - CO (4650 - 180 nm) ...
Other filter on customers request.



Pyroelectric detectors product range

Type	Channels	Mode	Supply	Optimal freq. [Hz]	Responsivity [V/W]	D* [cmHz ^{1/2} /W]	Aperture [mm ²]	Application
PS2x1C2-A-S1.5	2	Current	Bipolar	2 ... 55	175,000	2.8 x 10 ⁸	1.5 x 1.5	NDIR gas analysis
PS1x1C2-A-S1.5	1	Current	Bipolar	2 ... 55	175,000	2.8 x 10 ⁸	1.5 x 1.5	NDIR gas analysis
PS4x2C1-A-S1.4	4	Current	Bipolar	3 ... 25	125,000	1.7 x 10 ⁸	1.4 x 1.4	NDIR gas analysis
PS2x1C8-A-S1.5	2	Current	Bipolar	1 ... 12	1,100,000	5.5 x 10 ⁸	1.5 x 1.5	NDIR gas analysis
PS1x1C8-A-S1.5	1	Current	Bipolar	1 ... 12	1,100,000	5.5 x 10 ⁸	1.5 x 1.5	NDIR gas analysis
PS2x4V1-A-S1.5	2	Voltage	Unipolar	0.2 ... 3	950	2.09 x 10 ⁸	1.5 x 1.5	NDIR gas analysis
PS1x4V1-A-S1.5	1	Voltage	Unipolar	0.2 ... 3	950	2.09 x 10 ⁸	1.5 x 1.5	NDIR gas analysis

For more information contact our sales team by Email to infrared@micro-hybrid.de or call +49 36601 592-0