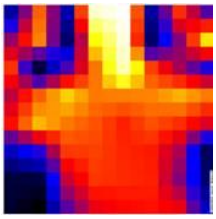


(Picture shows a human holding the hands up)

HTPA8x8d

Infrared Thermopile Array Sensor

The HTPA8x8d is the world smallest infrared array sensor with a resolution of 8x8 Pixel inside a TO46 housing. Due to the digital I²C interface only 4 pins are needed. It has a built in EEPROM to store all calibration data and a 16-bit ADC. The Speed can be set internally via the sensor clock and ADC-resolution up to 89 Hz (highest resolution) or up to 800 Hz (lowest resolution).

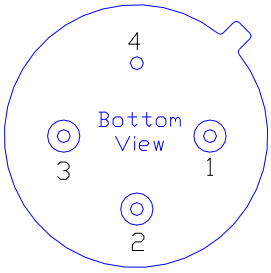
Parameter	*Value*	*Tolerance*	*Units*
Supply Voltage (DC)	3.3 – 3.6		V
Current consumption	1.8	± 0.5	mA
Ambient temperature range	-20 to 85		°C
Object temperature range	-20 to >1000		°C
Framerate	7 to 800		Hz
NETD	140		mK@1Hz

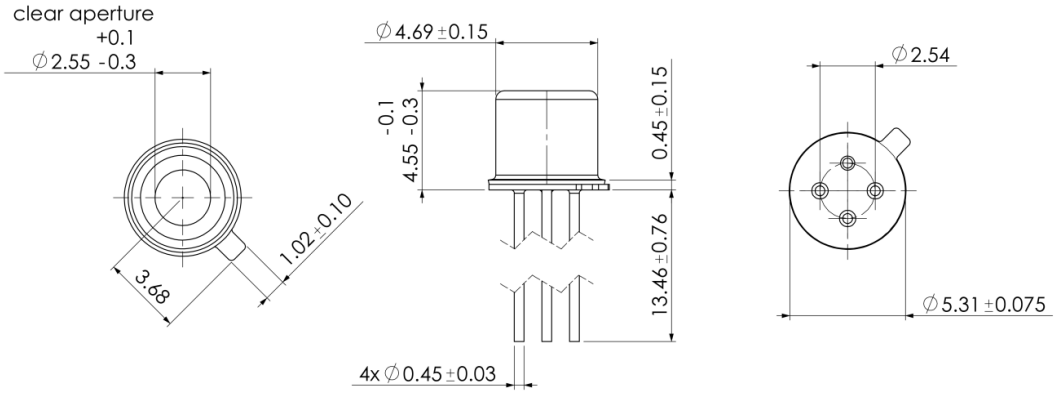
Available Optics

Optic	*FoV [°]*
L2.1 (TO46)	20 (calculated)
L2.1 to L7.0 (TO39)	20 to 6 (calculated)

Pin Configuration

Pin	*Function*
1	SDA (I²C)
2	Clock (I²C)
3	3.3 V supply
4	Ground





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