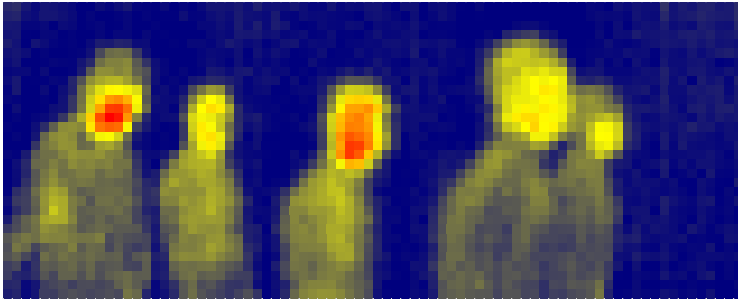


<Infrared Sensors>

MIR8032B1

THERMAL DIODE INFRARED SENSOR, 80x32 pixels, FOV 78°x29°



DESCRIPTION

The MIR8032B1 is an infrared sensor array applying unique thermal diode technology. It has an SPI interface and comes together with an IR lens and an ASIC with an OTP* memory that stores the sensitivity calibration data.

FEATURES

- Pixel resolution: 80x32 pixels
- FOV : 78° x 29°
- Flame rate : 4fps
- NETD : 100mK (Typ.) @4fps
- Low height and light weight package

APPLICATIONS

- Security, Smart Building, People Counting, Temperature measurement, etc...

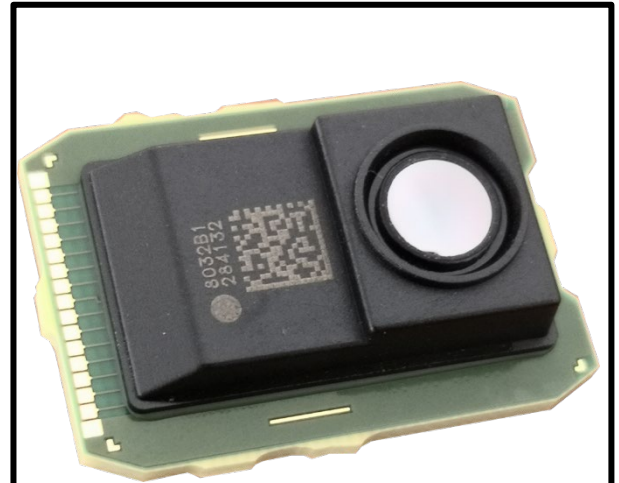
OTP*: one time programmable

Absolute maximum ratings

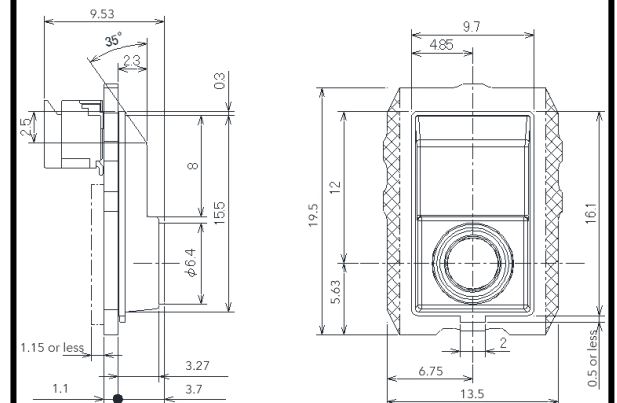
Symbol	Parameter	Min	Max	Unit
VDD	Power Supply Voltage	-0.3	3.8	V
MISO MOSI CLK NRST	Digital In-Out	-0.3	3.8	V
Tstg	Storage Temperature	-40	85	° C
Top	Operation Temperature	-20	85	° C

Electrical Characteristics

Symbol	Parameter	Test Conditions	Min	Typ.	Max	Unit
Id	Current Consumption	Vdd: 3.3V Ta: 24° C			50	mA
NETD	Noise Equivalent Temp. Difference			100		mK
FOVx	Field of View			78		°
FOVy	Field of View			29		°



OUTLINE DRAWING Unit: millimeters



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Main Revision for this Edition

No.	Date	Revision	
		Pages	Points
*	01/Apr./2020	*	New Release
A	17/Aug./2022	1	Corrected OUTLINE DRAWING.

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