

# E

To-Type SMD Programmable AD Pyroelectric Infrared Sensors

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S23-S340R

V1.

## 1.

### 1.1

ISO14001

ISO14001

ISO 9001

ISO

- “ ISO 9001 ”

### 1.2

ROHS

ROHS

“  
ROHS

2011/65/EC ”

### 1.3

1.3.1

1.3.2

IC

PIR

MCU

S23-S340R

MCU

MCU

MCU

PIR

14

## 2.

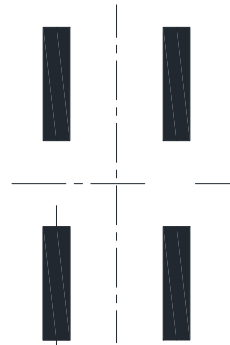
### 3.2

SMD

### 3.3

USB

### 3.4



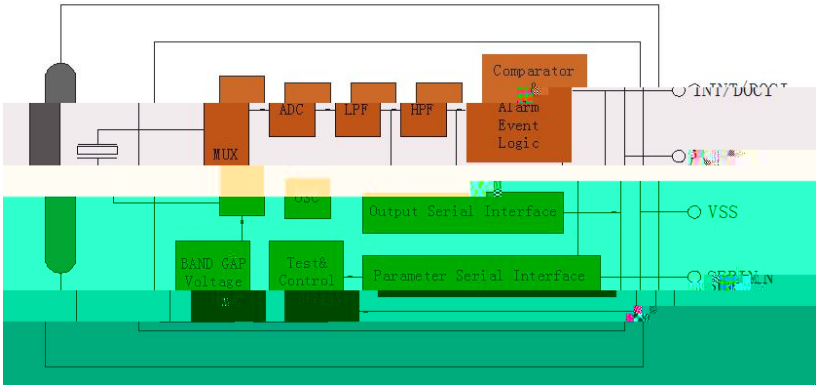
1

±

(unit): mm

3.5

|  |           |         |        |               |  |
|--|-----------|---------|--------|---------------|--|
|  |           |         |        |               |  |
|  | TST       | -20     | 70     |               |  |
|  | $\theta$  | X=120 ° | Y=90 ° | °             |  |
|  | TST       | -30     | 80     |               |  |
|  | $\lambda$ | 5       | 14     | $\mu\text{m}$ |  |



3.6 ( VDD = +3V TAMB = +25 50 ± 10%)

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| INT/DOCI |  |  |  |  |  |  |
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### 3.7

S23-S340R                      PIR

                                         ADC

#### 3.7.1.

- 1    MUX                                              ADC                                              PIR
  
- 2                                              (BAND GAP Volatage Ref)
  
- 3                                              (OSC)                                              64kHz
  
- 4                                              (LPF HPF)                                              7Hz                                              0.4Hz
  
- 5                                              (Comparator&Alarm Event Logic)



0 =                      1 =

7) ADC

|     |       |       |
|-----|-------|-------|
| ADC | ADC   | :     |
| PIR | BFP   | = 0   |
| PIR | LPF   | = 1   |
|     | = 2   |       |
|     | = 3   |       |
|     | " 0 " | " 1 " |

8)

9

1=                      0=

3.7.3

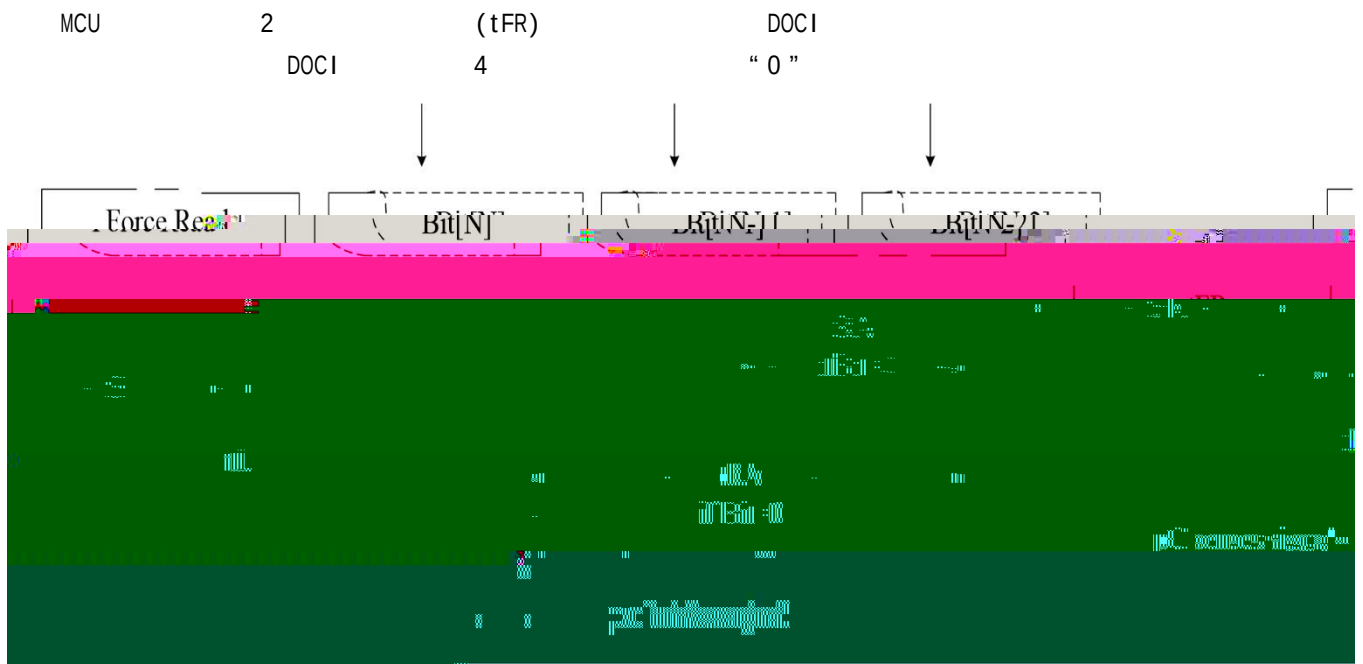
SERIN

SERIN                      0      1

(0/1)

### 3.7.4

### DOCI



ADC

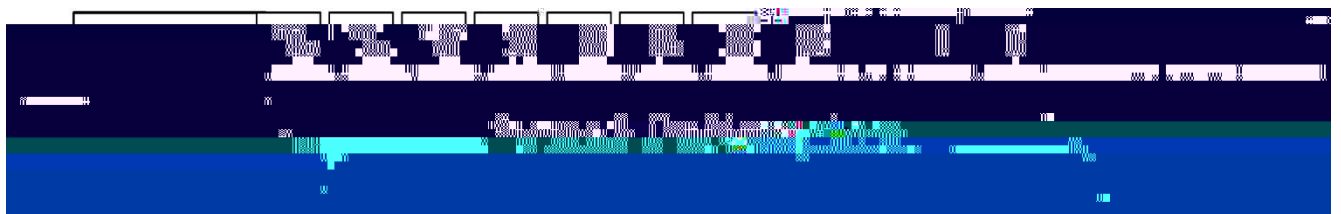
DOCI / INTR

ADC

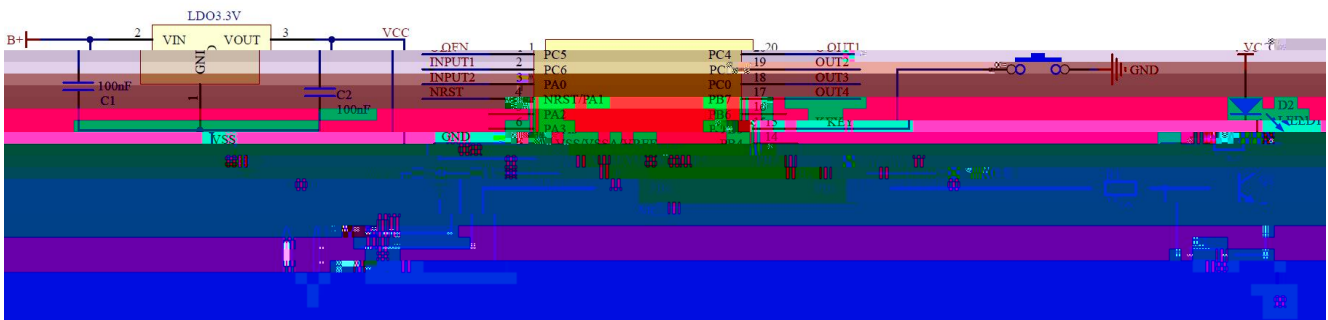
512

PIR

DOCI









7.1.6

SO<sub>2</sub>

CL<sub>2</sub>, NO<sub>x</sub>

7.1.7

72h

40 ± 10%RH

7.1.8

3

## 7.2

7.2.1

7.2.1.1

7.2.1.2

7.2.1.3

7.2.1.4

1

SO<sub>2</sub> CL<sub>2</sub>, NO<sub>x</sub>

2

3

4

5

6

7

8

7.2.2

1

2

3

4

5 \*

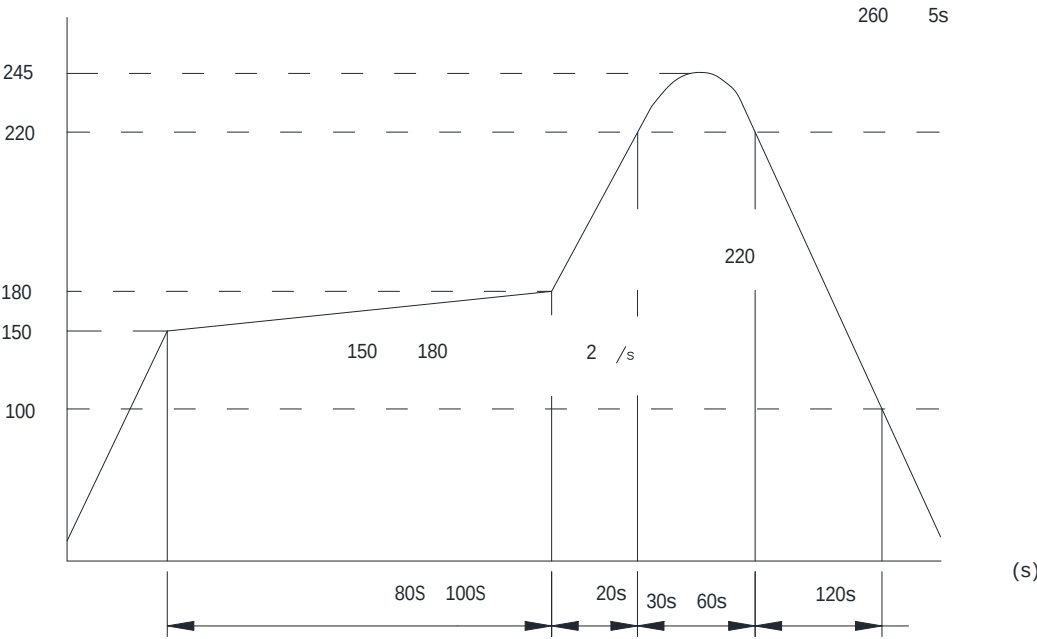
6

7

8

7.3

|       |     |     |   |
|-------|-----|-----|---|
| 7.3.1 | 7   |     |   |
| 7.3.2 | PIR | PIR | 3 |
| 7.3.3 |     |     |   |
| 7.3.4 |     |     |   |



- 1
- 2 \*
- 3 \*
- 4 \*

“ ”