

DESCRIPTION

GMQ series ozone sensor module is a general-purpose gas module that combines the electrochemical detection technology developed by our company and the sophisticated circuit design. The use of electrochemical principles to detect the concentration of ozone gas in the air has the characteristics of high sensitivity, high resolution, low power consumption and long service life. Built-in temperature sensor for temperature compensation. UART interface output can be provided to facilitate the back-end reading data.

APPLICATION

Disinfection cabinets, portable instruments, air quality monitoring equipment, smart home equipment and other places.

FEATURES

- High sensitivity
- High resolution
- Good stability
- Long service life
- Strong anti-interference ability
- Temperature compensation
- Low power consumption



PARAMETERS

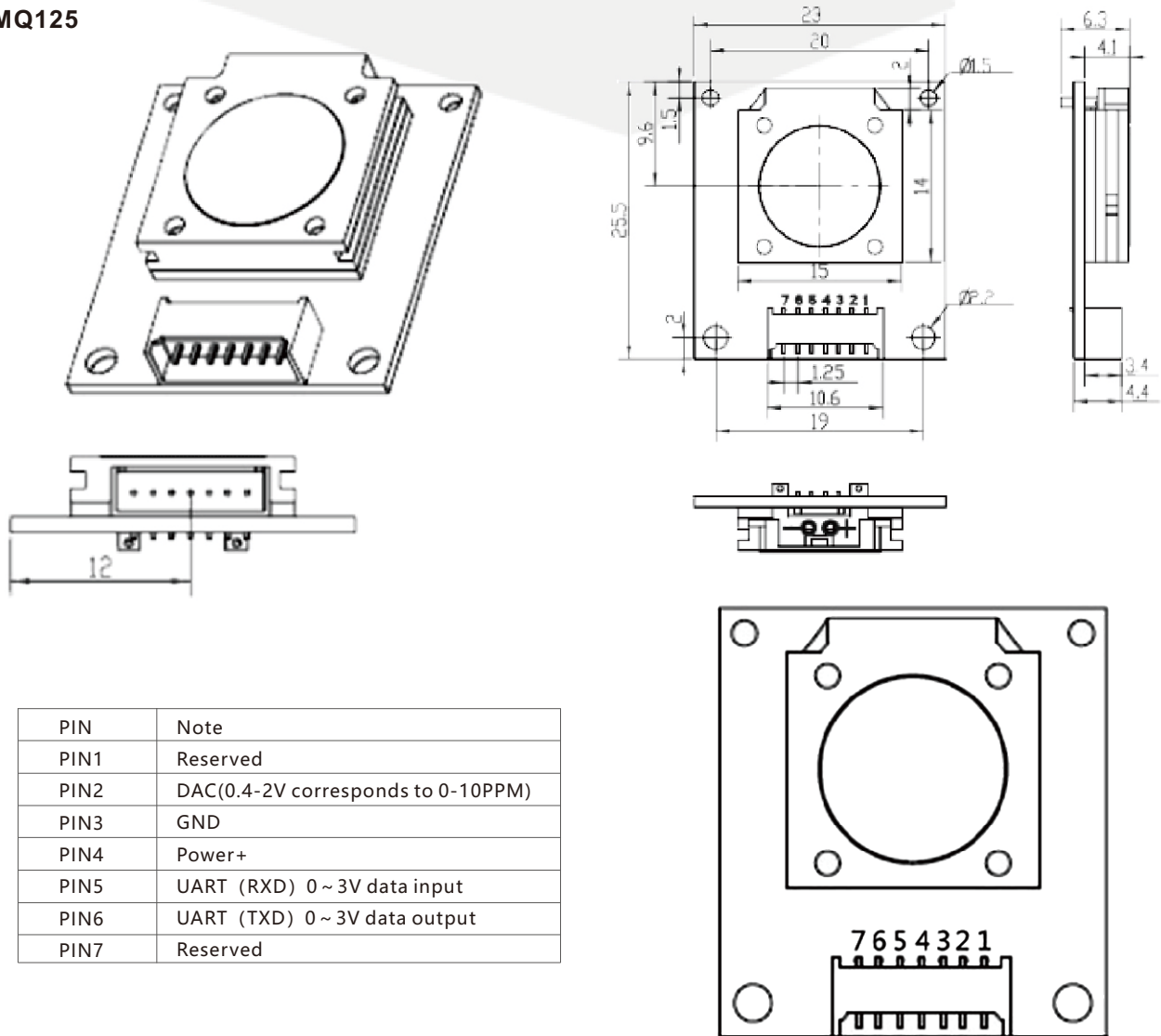
Model	GMQ125	GMQ114
Range	0-10ppm	0-100ppm
Resolution	0.01ppm	0.1ppm
Output	UART output (3V level)	UART output (3V level)
Warm up time	≤3min	≤30s
Response time	≤90s	≤30s
Recovery time	≤90s	≤30s
Working voltage	3.7 ~ 5.5VDC	5±0.5VDC
Working temperature	-10°C ~ 55°C	-10°C ~ 65°C
Working humidity	15% ~ 90% RH	15% ~ 90% RH
Storage temperature	-20°C ~ 55°C	-20°C ~ 65°C
Service life	2 years (in the air)	3-5years(in the air)

NOTE:

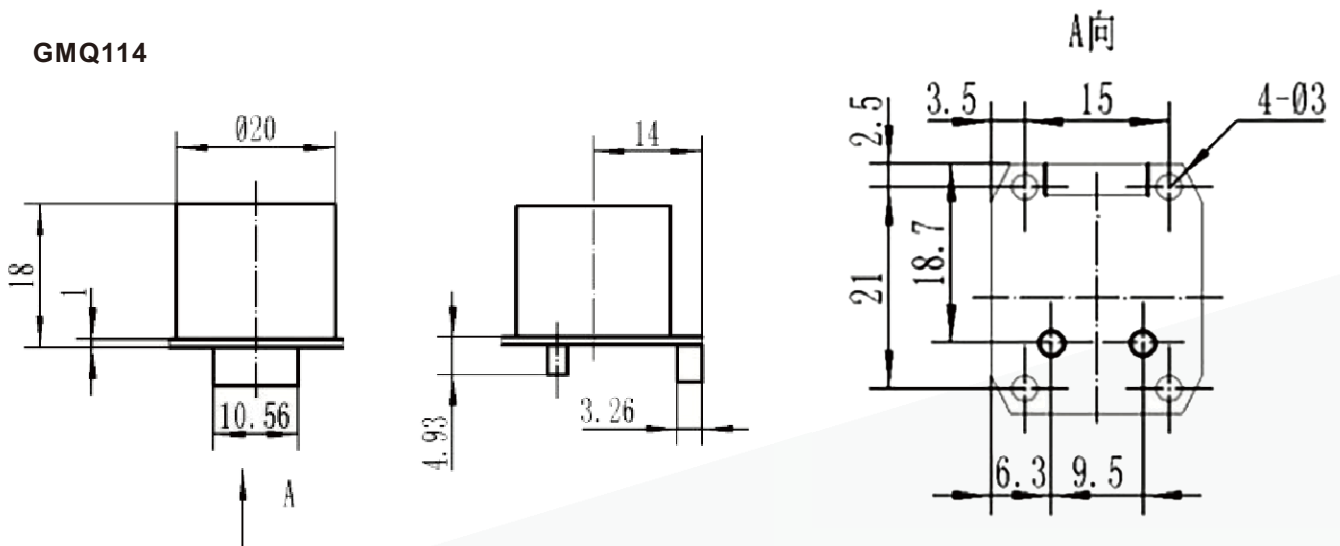
- ①GMQ125 can provide DAC output (0.4 ~ 2V voltage signal corresponding concentration: 0 ~ 10PPM).
- ②When using the sensor module, it is necessary to avoid gas interference such as alcohol.

SIZE AND WIRING

GMQ125



GMQ114



PIN	Note
PIN1	Reserved
PIN2	Analog output (reserved)
PIN3	GND
PIN4	Power+
PIN5	UART (RXD) 0~3V data input
PIN6	UART (TXD) 0~3V data output
PIN7	Alarm output 3.3V high and low level (reserved)

