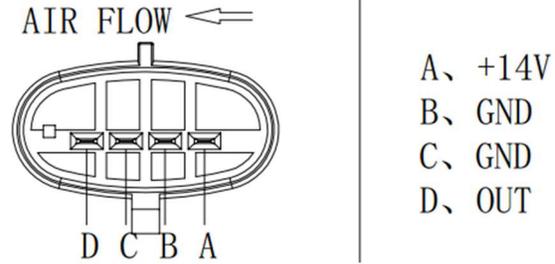


## Mass Air Flow Sensor Schematic

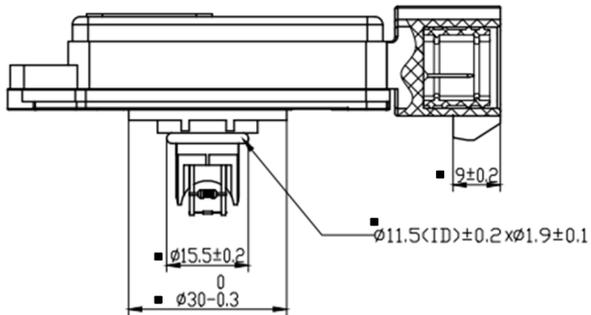


## Connection Diagram



## 1. DRAWING AND DIMENSION.(mm)

■ 為重點管控尺寸



## 2. ELECTRICAL PROPERTIES

## 2.1 Operating Temperature Range :

(AT  $t=23\pm 5^{\circ}\text{C}$ )

Accuracy :  $\pm 7\%$

RT RESISTANCE : NO

Air-Flow Measuring Range : 0-480 Kg/h

## 2.2 OUTPUT VOLTAGE

(AT  $t=23\pm 5^{\circ}\text{C}$ )

INPUT VOLTAGE DC :  $14 \pm 0.1\text{V}$

Output Voltage : 0-4.5V

Response Time :  $\leq 100\text{ms}$

## Safety Characteristics:

◆ **Over voltage** :  $V_s = 24\text{V}$ , 60 sec, is turned ON/OFF without failure.

◆ **Repetitive Thermal Shock** :

The MAF shall be designed to withstand 100 cycles of  $-40^{\circ}\text{C}$  to  $100^{\circ}\text{C}$  in 20 minutes and  $100^{\circ}\text{C}$  to  $-40^{\circ}\text{C}$  in 20 minutes.

◆ **Vibration Test** :

The MAF is subjected to sinusoidal vibration in accordance with the following condition for a period of 15 minutes . Constant max. amplitude acceleration = 15G. Frequency = 10 to 500 Hz. Test time = 6 hours.

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