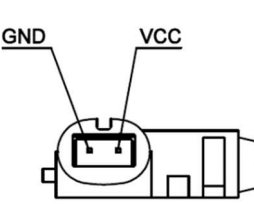
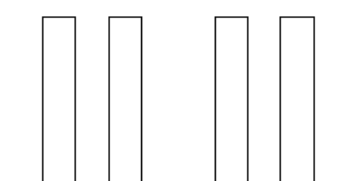
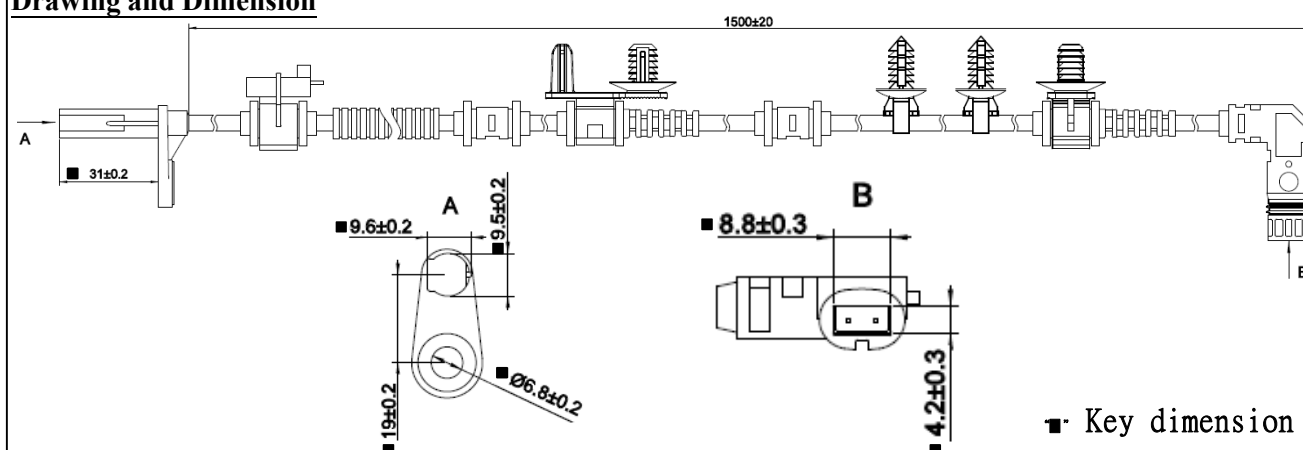


|      |                                    |    |             |
|------|------------------------------------|----|-------------|
| NAME | AB-US098 Electrical Specifications | NO | AB-2-4-1061 |
|------|------------------------------------|----|-------------|

|                                                                                                     |                                                                                                   |                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Picture</b><br> | <b>Plug</b><br> | <b>Waveform</b><br><br>Out Voltage: $V_{OL} \leq 1V \leq V_{OH}$ |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                     |                 |
|---------------------------------------------------------------------------------------------------------------------|-----------------|
| <b>Drawing and Dimension</b><br> |                 |
|                                                                                                                     | ■ Key dimension |

TYPE : ■ Hall □ Magnetic

| Parameter                                                                      | SYMBOLS  | MIN. | TYP. | MAX. | UNITS |
|--------------------------------------------------------------------------------|----------|------|------|------|-------|
| Resistance (25℃)                                                               | R        | N/A  | N/A  | N/A  | ohm   |
| Inductance@1KHz                                                                | L        | N/A  | N/A  | N/A  | mH    |
| Working Voltage                                                                | V        | 5    | 12   | 18   | V     |
| Detecting range                                                                | Air Gap  | N/A  | 1    | N/A  | mm    |
| Magnetic field direction<br>SFS=South facing sensor<br>NFS=North facing sensor |          | N/A  | N/A  | N/A  |       |
| Duty ratio(t1/T)                                                               | Duty     | 45   | 50   | 55   | %     |
| Temperature                                                                    | To       | -40  | 25   | 125  | ℃     |
| Reference Teeth                                                                |          | N/A  | 58   | N/A  |       |
| Output Voltage Low<br>(600RPM,12V,1mm)                                         | $V_{OL}$ | 0.3  | 0.6  | 0.9  | V     |
| Output Voltage High<br>(600RPM,12V,1mm)                                        | $V_{OH}$ | 1.1  | 1.4  | 1.7  | V     |

|                       |                         |         |            |        |          |             |
|-----------------------|-------------------------|---------|------------|--------|----------|-------------|
| 2021.09.02            |                         | 1       | 汪芳波        | 王亮     | 黄鹏       | MOBILETRON  |
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