

|             |   |           |                   |
|-------------|---|-----------|-------------------|
| <b>NAME</b> | <b>AB-JP144 Electrical Specifications</b> | <b>NO</b> | <b>AB-2-4-992</b> |
|-------------|---|-----------|-------------------|

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

**Drawing and Dimension**

TYPE :  Hall  Magnetic

| Parameter  | SYMBOLS  | MIN. | TYP. | MAX. | UNITS |
|--|----------|------|------|------|-------|
| Resistance (25°C)  | 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       | -30  | 25   | 125  | °C    |
| 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     |

|                       |                         |         |            |        |          |                    |
|-----------------------|-------------------------|---------|------------|--------|----------|--------------------|
| 2020.09.29            |                         | 1       | 王亮         | 呂漢榮    | 黃鵬       | <b>MOBILETRON</b>  |
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|                       |                         |         |            |        |          | <b>Release</b>     |