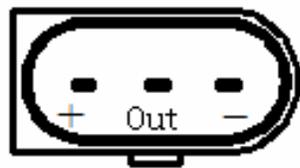
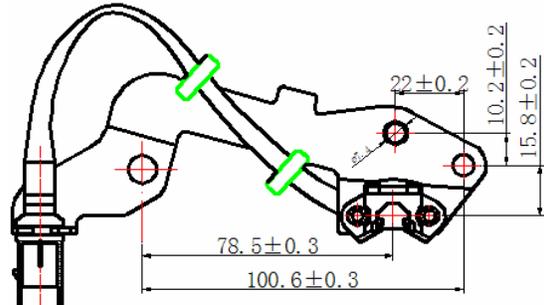
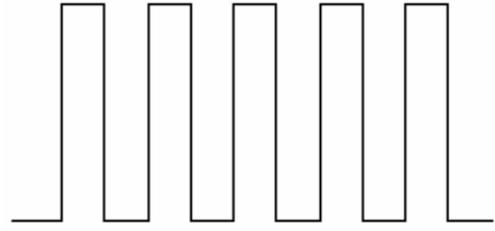


| | | | |
|-------------|--------------------------------|-----------|-------------------|
| NAME | CS-E044 Camshaft sensor | NO | CS-2-2-031 |
|-------------|--------------------------------|-----------|-------------------|

| | |
|---|---|
| <p><u>Picture</u></p>  | <p><u>Plug</u></p>  |
|---|---|

| | |
|---|---|
| <p><u>Drawing and Dimension</u></p>  | <p><u>Waveform</u></p>  <p style="color: red;">(Open Collector Full Hi 1.2KΩ)</p> |
|---|---|

TYPE : Hall Magnetic

| Parameter | SYMBOLS | MIN. | TYP. | MAX. | UNITS |
|--|---------|------|--|------|-------|
| Resistance@120Hz | R | N/A | N/A | N/A | Ω |
| Inductance@120Hz | L | N/A | N/A | N/A | mH |
| Working Voltage | V | 8 | N/A | 20 | V |
| Waveform Profile | | N/A |  | N/A | |
| Frequency | Fre. | N/A | 60 | N/A | Hz |
| Detecting range | Air GAP | 0.3 | N/A | 2 | mm |
| Magnetic strength | Bo | 130 | 140 | 150 | mT |
| Magnetic field direction SFS=South facing sensor NFS=North facing sensor | | N/A | NFS | N/A | |
| Duty ratio(t1/T) | Duty | 35 | 50 | 65 | % |
| Rise time | tr | N/A | 100 | N/A | μs |
| Fall time | tf | N/A | 100 | N/A | μs |
| Temperature | To | -40 | N/A | 150 | °C |
| Reference Teeth | | N/A | 18 | N/A | |
| Output Voltage(3000RPM) | Vp-p | N/A | N/A | N/A | V |

| | |
|--------------------------|---|
| Repetitive Thermal Shock | The Sensor shall be designed to withstand 100 cycles of -30°C to 125°C in 20minutes and 125°C to -30°C in 20 minutes ° |
| Vibration Shock | The Sensor shall withstand a vibration according to the following condition without failure or performance degradation ° Condition : amplitude acceleration = 15G , vibration frequency = 10~500Hz , a period of 15 minutes for each of the 3 main axes (x,y,z) , test times = 16 cycle ° |

| | | | | | | |
|-----------------------|-------------------------|---------|------------|--------|----------|--------------------|
| 2013.01.15 | | 1 | 陳海鵬 | 金馮海 | 許順威 | MOBILETRON |
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| | | | | | | Release |