

# HEDS-9700 SERIES



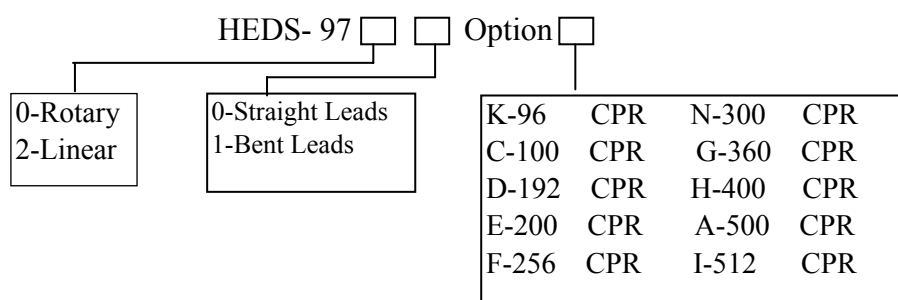
## Feature

- Two Channel Quadrature Output
- Low Cost
- No Signal Adjustment
- TTL Compatible

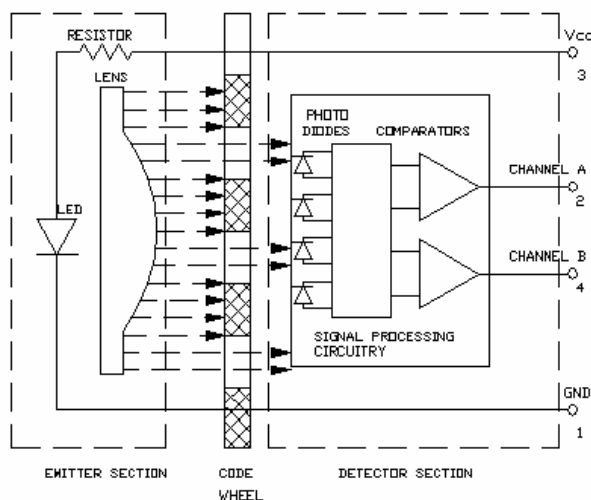
## Resolutions 解析度 P/R

96 , 100, 192, 200, 256  
300, 360, 400, 500, 512

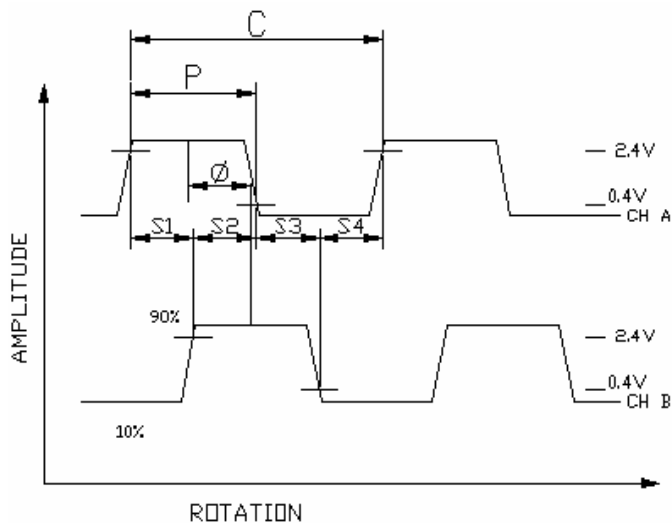
## Ordering Information 型号



## Block Diagram



## Output Waveforms



## Absolute Maximum Ratings

| Parameter                  | symbol          | Minimun | Max. | Units | Notes     |
|----------------------------|-----------------|---------|------|-------|-----------|
| Storage Temperature        | T <sub>s</sub>  | -40     | 85   | °C    |           |
| Operating Temperature      | T <sub>A</sub>  | -40     | 85   | °C    |           |
| Supply Voltage             | V <sub>cc</sub> | -0.5    | 7    | Volts |           |
| Output Voltage             | V <sub>o</sub>  | -0.5    | VCC  | Volts |           |
| Output Current per channel | I <sub>o</sub>  | -1.0    | 5    | mA    |           |
| Soldering Temperature      |                 |         | 260  | °C    | t ≤ 5sec. |

► **Electrical Characteristics**

| Parameter                 | Symbol          | Min. | Typ. | Max. | Units | Notes                                       |
|---------------------------|-----------------|------|------|------|-------|---|
| Supply Current            | I <sub>cc</sub> |      | 17   | 40   | mA    |   |
| High Level Output Voltage | V <sub>OH</sub> | 2.4  |      |      | V     | I <sub>OH</sub> =-40uA                      |
| Low Level Output Voltage  | V <sub>OL</sub> |      |      | 0.4  | V     | I <sub>OL</sub> =3.2mA                      |
| Rise Time                 | t <sub>r</sub>  |      | 200  |      | ns    | C <sub>L</sub> =25pF, R <sub>L</sub> =11kΩ  |
| Fall Time                 | t <sub>f</sub>  |      | 50   |      | ns    | C <sub>L</sub> =25pF, R <sub>L</sub> =2.7KΩ |

► **Package Dimensions**

