



HS-502

Encoder Module



Feature

- Servo Motor Use
- Compact Size
- Low cost
- Two-channel quadrature output with ungated index pulse (A, B, I)
- Three-channel integrated commutation output (U, V, W)
- Up to 150 kHz frequency response

Absolute Maximum Ratings

Operating / Storage Temp.	-40 ~ +85°C
Supply Voltage	-10 ~ +85°C
Output Voltage	-0.5 ~ 7V
Response Frequency	1250 P/R 75 KHz 2500 P/R 150 KHz

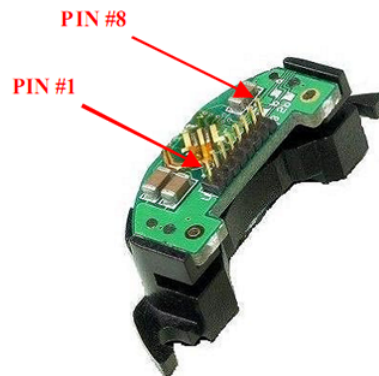
Resolution

1000, 1024, 1250, 2000, 2048, 2500 CPR

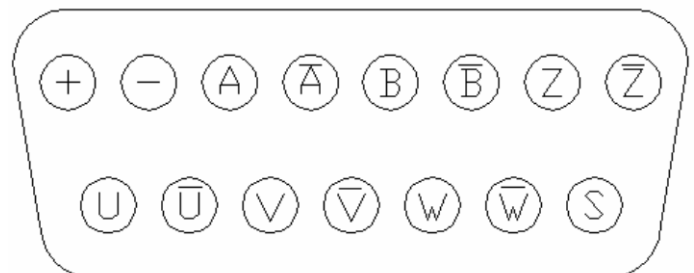
Device Pinout

Pin #1 start from left side.

Pin	Function
1	U
2	I
3	V
4	W
5	Ground
6	V _{CC}
7	A
8	B



Connection



Ordering Information

HS - 502	Bore Diameter	Resolution P/R	Output Mode	Output Phase	Power Source
	8: Φ 8mm	1000, 1024, 1250, 2000, 2048, 2500	L: Line Driver V: Voltage	2: A, B phase 3: A, B, Z phase	5: DC 5V



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Package Dimension (Unit: mm)

