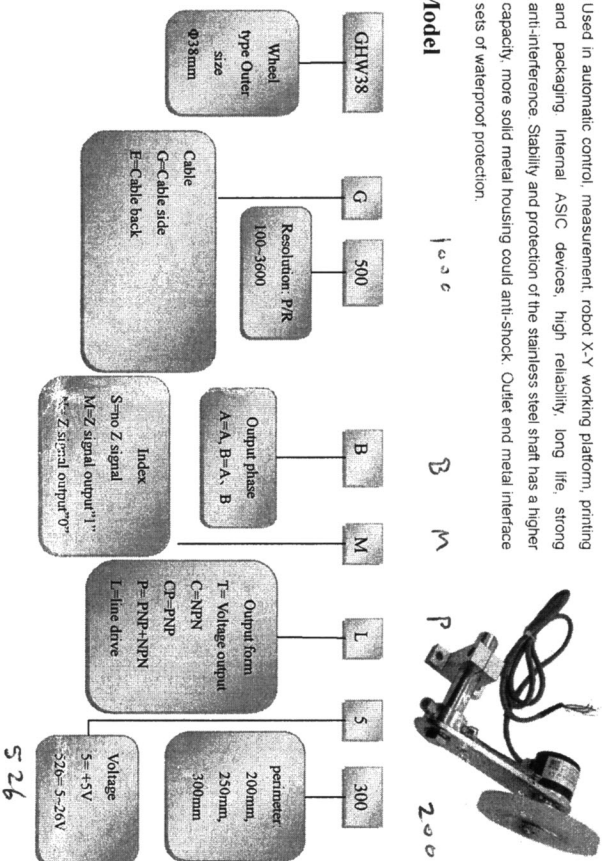


Incremental encoder-----GHW38 series

Used in automatic control, measurement, robot X-Y working platform, printing and packaging. Internal ASIC devices, high reliability, long life, strong anti-interference. Stability and protection of the stainless steel shaft has a higher capacity, more solid metal housing could anti-shock. Outlet end metal interface sets of waterproof protection.

Model



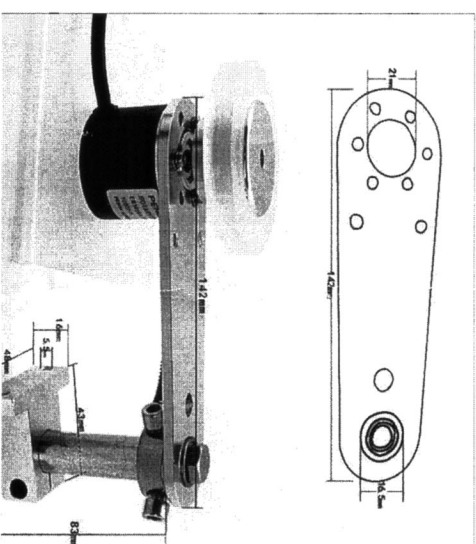
Electrical spec:

Output circuit	Open-collector output (NPN or PNP)	Voltage output	Push-pull complementary outputs	Line driver
Supply voltage	5-26V	5-26V	5±0.25 5-26V	5±0.25 5-26V
Current consumption	≤80mA	≤80mA	≤80mA	≤150mA
Load current	40mA	40mA	40mA	60mA
Output high	Min Vcc-70% MAX 0.4V	Min Vcc-2.5V MAX 0.4V	Min Vcc-1.5V MAX 0.8V	Min 3.4V MAX 0.4V
Output low	MAX 1us	MAX 1us	MAX 1us	MAX 200ns
Rise time Tr	MAX 1us	MAX 1us	MAX 1us	MAX 200ns
Fall time Tf	MAX 1us	MAX 1us	MAX 1us	MAX 200ns
Highest frequency response	300KHz	300KHz	300KHz	300KHz

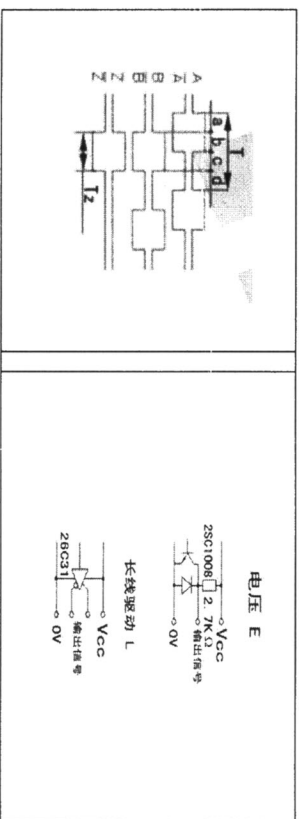
Mechanical spec:

Max speed /r/min	6000	Starting torque	<0.05Nm	Axis maximum load	Radial 25 N Axial 15N	Impact	50G/11ms	Anti-vibration	10G 10-2000Hz
Moment inertia	4 x 10 ⁻⁸ kgm ²	Work Temperature	-40~85°C	Storage Temperature	-40~85°C	Protection Degree	IP50	Weight	250g

Dimensions :



Output phase shift



Connections:

Signal	A	B	Z	A-	B-	Z-	Vcc	GND
Color	Green	White	Yellow	Brown	Grey	Orange	Red	Black
Without inverted signal	Green	White	Yellow					