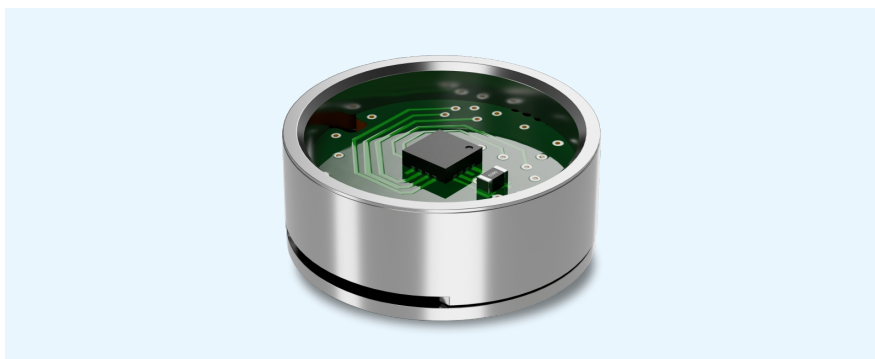


# SM022022

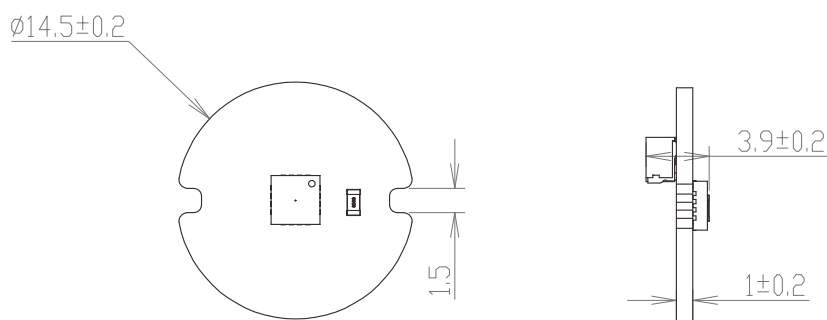
Φ22mm Magnetic tape

## Main parameters

- 10mA
- 3.3—5V
- 55000rpm



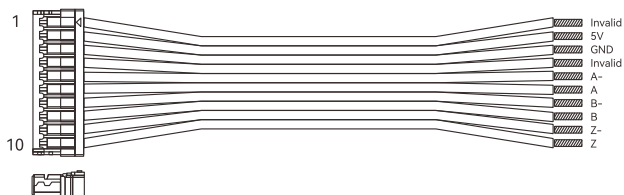
## Technical illustration



## Encoder Technical Parameters

|                                           |             |                             |
|-------------------------------------------|-------------|-----------------------------|
| The pulse number of each week of rotation | N           | 1 ~ 1024                    |
| Output signal                             | Square wave | Differential ABZ / UV / UVW |
|                                           |             | Single end ABZ              |
| Power supply voltage                      | UDD         | 3.3~5 V                     |
| Work current, typical value               | IDD         | 10mA                        |
| Index pulse width                         | P0          | 180 ± 45°                   |
| AB channel phase difference               | Φ           | 90 ± 45°                    |
| Working temperature range                 |             | -40~125°C                   |
| Accuracy,                                 |             | ±1                          |
| Lag angle                                 |             | 0.088 °m                    |

## Pin definition



|               |          |
|---------------|----------|
| PIN1: invalid | PIN6: A  |
| PIN2: VCC     | PIN7: B  |
| PIN3: GND     | PIN8: B- |
| PIN4: invalid | PIN9: Z- |
| PIN5: A-      | PIN10: Z |