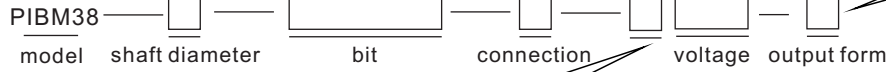


PIBM30 series



BR: Binary serial output

Explanation of model



E: Axial cable
G: Radial cable

For example

PIBM30-4-12-G8-12BR is shaft $\Phi 4$, 12 bit, side entry cable, supply voltage 8-12V, binary serial output

Technical data

| | | | |
|----------------------|---|-----------------------|---|
| Resolution | $2^n (n \leq 10)$ | Rotating inertia | $4 \times 10^{-7} \text{ kg} \cdot \text{m}^2$ |
| Supply voltage | DC $5\text{V} \pm 0.25\text{V}$ | Max rotating speed | 6000r/min |
| V_H Output voltage | $\geq V_{CC} \times 70\%$ | Vibration resistance | $50\text{m/s}^2 (10 \sim 200\text{Hz})$ (XYZ each direction 2 hours) |
| V_L Output voltage | $\leq 0.5\text{V}$ | Shock resistance | 980m/s^2 (XYZ each direction 3 times) |
| Current consumption | $\leq 50\text{mA}$ | Protection | Ip54 |
| Output phase | A, B | Operating temperature | $-10^\circ\text{C} \sim +75^\circ\text{C}$ |
| Frequency response | 115200 | Storage temperature | $-20^\circ\text{C} \sim +80^\circ\text{C}$ |
| Rise/fall time | $\leq 1 \mu$ | Operating humidity | 30 ~ 85%RH |
| Starting torque | $1 \times 10^{-3} \text{ N} \cdot \text{m} (+25^\circ\text{C})$ | Weight | 0.25kg |
| Shaft loading | Radial 20N Axial 10N | Accessories | |

Connection table

| Cable color | Red | Black | Whith | Green |
|-------------|-----|-------|-------|-------|
| Output form | Vcc | 0V | A | B |

Dimension(mm)

