

## PKB38 series



E: Voltage output  
 C: Open collector output  
 F: Complementary output(Push pull)  
 L: Line driver TTL  
 T: Line driver HTL

### Explanation of model



E : Axial cable  
 G:Radial cable

### For example

PKB38-06-2000-G05L is hollow shaft  $\Phi 6$ , 2000P/R, side entry cable, supply voltage 5V, line driver output .

### Technical data

Resolution	2000P/R	Rotating inertia	$3.5 \times 10^{-6} \text{kg} \cdot \text{m}^2$
Supply voltage	DC5V or DC 10V ~ 30V	Max rotating speed	6000r/min
$V_H$ Output voltage	$\geq V_{CC} \times 70\%$	Vibration resistance	$50 \text{m/s}^2$ (10 ~ 200Hz) (XYZ each direction 2hours)
$V_L$ Output voltage	$\leq 0.5 \text{V}$	Shock resistance	$980 \text{m/s}^2$ (XYZ each direction 2times) last 6ms
Current consumption	$\leq 150 \text{mA}$	Protection	IP65
Output phase	A. B. Z./A. /B. /Z	Operating temperature	- 10°C ~ +70°C
Frequency response	100kHz Max	Storage temperature	- 20°C ~ +80°C
Rise/fall time	$\leq 1 \mu\text{s}$ or line driver $\leq 0.1 \mu\text{s}$	Operating humidity	30 ~ 85%RH
Starting torque	$3 \times 10^{-3} \text{N} \cdot \text{m}$ (+25°C)	Weight (no cable)	0.5kg
Shaft loading	Radial 40N Axial 20N	Accessories	

### Connection table

cable color		Red	Black	White	Green	Yellow	Blue	Orange	Brown	Shield
Output form	C/E/F	VCC	0V	A	B	Z	—	—	—	FG
	P/L/D/H/M	VCC	0V	A	B	Z	$\bar{A}$	$\bar{B}$	$\bar{Z}$	FG
10PIN Y2M-10TK plug		4	6	1	2	3	—	—	—	10
10PIN Y2M-10TK plug		4	6	1	2	3	7	8	9	10

### Dimension(mm)

