



FUNCTION AND USE OB38/6 SERIES

Apply for the industry machine, automatic control and so on.
 Minitype-economization, steady capability, convenience installation.
 Outer diameter is 36mm thickness is only 35mm axes diameter is 6mm
 Many output circuit can select, out form is socket cable side out and back out.

TYPE INSTRUCTION

OB	38	/	6	-	360	BZ	-	8-30	F	G	2
Basis type	Main diameter 38mm		Axes diameter 6mm		Pulse count	Two -phase with positive		Power voltage	Output circuit for push-pull output	Out form Cable side ou	Cable length

10 20 30 50 60 100 120 125 150 180 200 250 256 300 360 400 500 512 600 720 800 900 1000 1024 1200 1250
 1500 1800 2000 2048 2400 2500 3000 3600 5000
 Or according customer request

- Pusle / revolution (Note: the film code plate with vibration resist and inrush-resist, metal code wheel with high temperature resist and glass code wheel with high precision.)

ELECTRIC PARAMETER

Output circuit	Drivers L
Mains voltage	+5V 5%
Current consumption	<60mA
Allowable load	20mA
Signal high electrical level	>2.5V
Signal low electrical level	<0.5V
Rise / down time	<100ns
Response frequency	150KHz

MACHINE PARAMETER

Radial load	<30N
Axial load	<20N
Storque	<1x 10X10 ⁻³ N.m
Tiptop rotate speed	6000r/min
Runing inertia	20g/cm ²
Allowable acceleration	1x10 ⁻⁴ rad/s ²
weight	About 0.1kg

ENVIROMENT PRARMETER

Concussion resist	1000m/s ² , 6ms
Vibration resist	100m/s ² , 10~200Hz
Workingtemperature	-20C~+50C
Storing temperature	-20~+80C
Relatively humidity	<RH85% No icing
Protect grade	IP50

WIRE LIST

Output signal		+V	0V	SIG A	SIG B	SIG Z	SIG A ⁻	SIG B ⁻	SIG Z ⁻	G
CEF & Type	Cable color	Red	Black	Green	White	Yellow	-	-	-	Shielded Network
LT & Type	Cable color	Red	Black	Green	White	Yellow	Brown	Grey	Orange	

Cautions:

- (1) Signals connect according to the cable color in the list, shield line had connected with encoder shell actual connection connect by encoder mark.
- (2) Standard length of output cable is 1m, the longest could extend to 50m.

SIZE APPEARANCE ILLUSTRATION (UNIT: MM)

