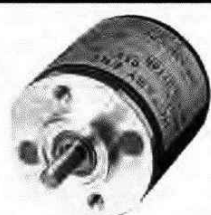


SHAFT TYPE

OSS_{Model}

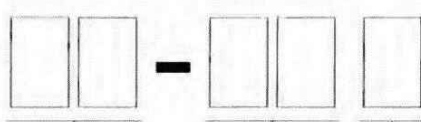


Advanced Small Model

• Low Starting Torque.

Model

OSS -



Output Mode

- No Indication : Voltage Output
- C : Open Collector Output
- HC : Open Collector Output / High Voltage

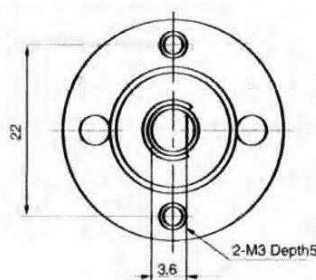
Signals

- 1 : 1 Signal
- 2 : AB90° Phase Difference
- 2M : AB90° Phase Difference + Zero Signal

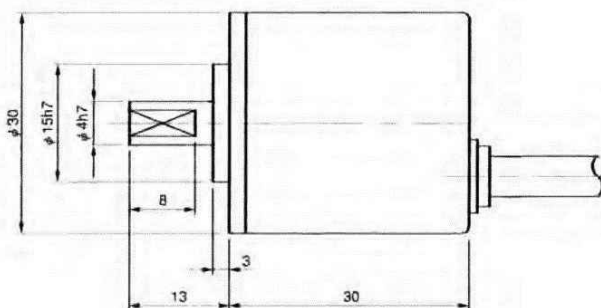
006	60 P/R	※025	250 P/R	※05	500 P/R
01	100 P/R	03	300 P/R		
015	150 P/R	※036	360 P/R		
02	200 P/R	04	400 P/R		

※2M is available for only types with ※mark

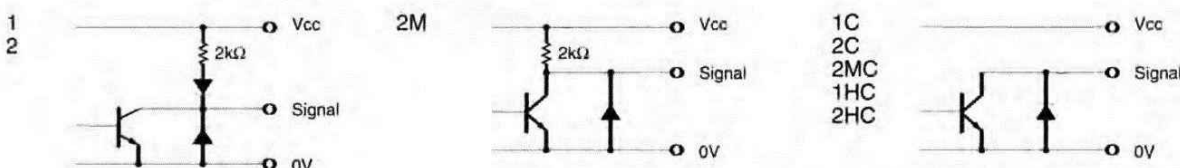
External Dimension



Standard Cable : 50cm



Circuit of Output Signal



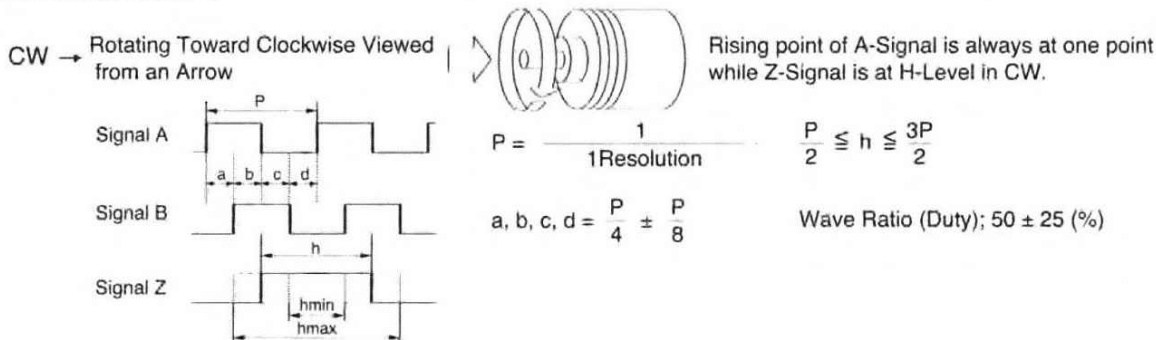
OSS

Electrical Spec.

※1) at Maximum Output Current ※2) Maximum Source Current

TYPE	2 • 2M	2C•2MC	2HC•2MHC	2HCP•2MHCP	2HT•2MHT	2MD
Supply Voltage	DC4.5 ~ 13.2 V			DC10.8 ~ 26.4 V		DC4.75 ~ 5.25V C-MOS DC4.5 ~ 5.5V
Requirement	80 mA Max	60 mA Max		100 mA Max	90 mA Max	150 mA Max C-MOS 60 mA Max
Output Voltage	"H"	Within -1 Power Volt		Within -1※2 Power Volt	Within -3 Power Volt	2.5 V or More
	"L"※1	0.5 V Max		—	3 V Max	0.5 V Max
Maximum Output Current	20 mA MAX				40 mA MAX	20 mA MAX
Rise & Fall Time	1 μs Max					200 ns Max
Maximum Frequency Response	200 kHz			50 kHz	200 kHz	
Withstanding Voltage of Output Tr.	—			50 V MAX.		—

Wave Form.



Electrical Connections

Color of Lead Wire	Description
Red	Power Source
Black	0V Common
Green or Blue	Signal A
White	Signal B
Yellow	Signal Z
Shielding Braid	NC

Mechanical Spec.

Starting Torque	10 gf • cm	
Angular Acceleration	1 × 10 ⁵ rad/s ²	
Shaft Loading	Thrust axial	0.5 kgf
	Radial	1.0 kgf
Moment of Inertia	2 g • cm ²	
Maximum RPM	6000 rpm	
Net Weight	100g Max	

Environmental Spec.

Operating Temperature	-10°C ~ +70°C
Storage Temperature	-30°C ~ +80°C
Humidity	RH 85% Max No Condensation
Vibration	10~55 Hz / 1.5mm 2 hr
Shock	50G, 11ms X, Y, Z Each 3 times