

MINIATURE TYPE

OML Model

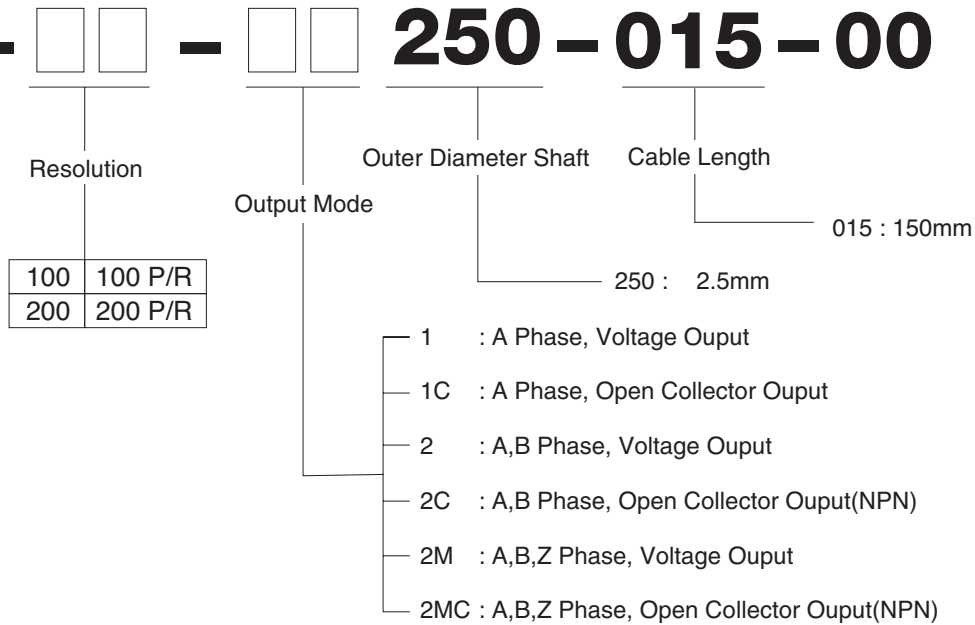


Miniature Model

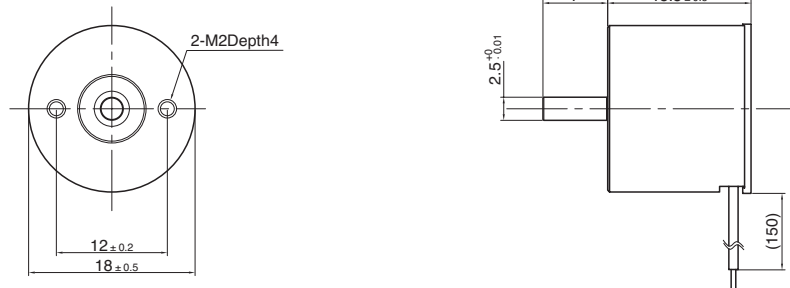
- D:18mm L:15.5mm
- Operating Temperature Up to 85 °C

Model

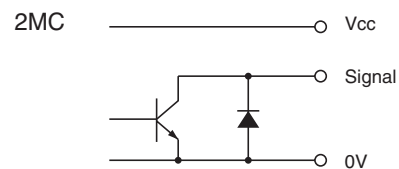
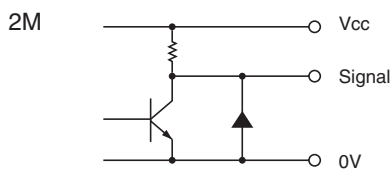
OML - [] [] - [] [] 250 - 015 - 00



External Dimension



Circuit of Output Signal

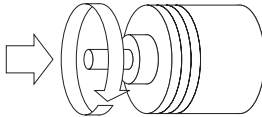


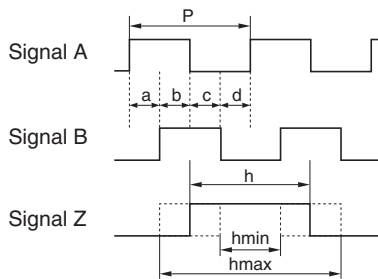
Electrical Spec.

TYPE		1 · 2	2M	1C · 2C	2MC
Supply Voltage		DC 4.5 ~ 5.5V			
Requirement		40 mA Max	60 mA Max	40 mA Max	60 mA Max
Output Voltage	“H”	With in - 1 Power Volt			—
	“L” ¹	0.5 V Max			
Maximum Output Current		20 mA (MAX)			
Rise & Fall Time		1 μs Max			
Maximum Frequency Response		30 kHz			

※1) at Maximum Output Current

Wave Form.

CW → Rotating Toward Clockwise Viewed from an Arrow  Rising point of A-Signal is always at one point while Z-Signal is at H-Level in CW.



$$P = \frac{1}{1\text{Resolution}}$$

$$a, b, c, d = \frac{P}{4} \pm \frac{P}{8} \quad \frac{P}{2} \leq h \leq \frac{3P}{2}$$

Wave Ratio (Duty); 50 ± 25 (%)

Electrical Connections

Color of Lead Wire	Description
Red	Power Source
Black	0V Common
Blue	Signal A
White	Signal B
Yellow	Signal Z

Mechanical Spec.

Starting Torque		4.9×10 ⁻⁴ N · m Max
Shaft Loading	Thrust axial	4.9N
	Radial	2.94N
Moment of Inertia		1×10 ⁻⁸ kg · m ²
Maximum RPM		6000r/min
Net Weight		20g Max

Environmental Spec.

Operating Temperature	-10°C ~ +85°C
Storage Temperature	-20°C ~ +85°C
Humidity	RH 85% Max No Condensation
Vibration	10~50 Hz / 1.5mm 2 h
Shock	490m/s ² , 11ms X, Y, Z Each 3 times
Degree of Protection	IP50