# **SHAFT TYPE**

OEZ Model



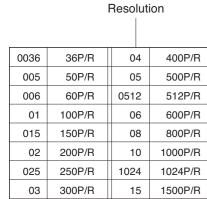
# **Small High-Speed Model**

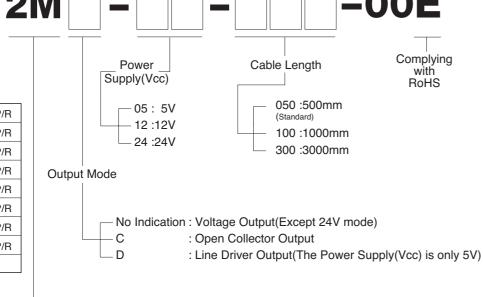
- •High Speed Response Frequency 150kHz.
- •Up to 1500P/R.

## Model







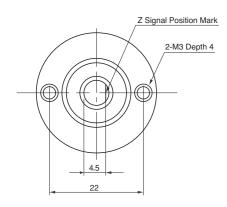


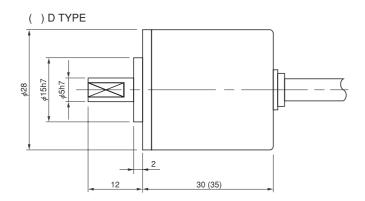
Signals —— 2M: AB90° Phase Difference + Index Signal

### **External Dimension**

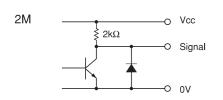
360P/R

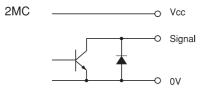
036

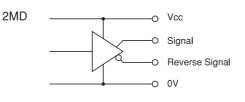




### **Output Circuit**





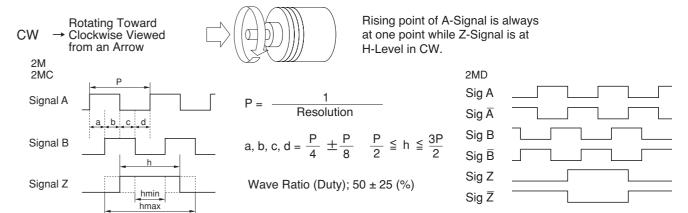


# **Electrical Spec**

	TYPE	2M	2MC	2MC-24	2MD
Power Supply(Vcc)		DC4.5~5.5V DC10.8~13.2V		DC21.6~26.4V	DC4.75~5.25V
Current Consumption		80mA Max	60mA Max		150mA Max
Output Voltage	"H"	Vcc-1V Min			2.5V Min
Output Voltage	"L" <sup>※1</sup>	0.5V Max			
Maximum Sink Current		20 mA			
Rise & Fall Time		1μs Max			200 ns Max
Maximum Frequency Response		150kHz			
Withstanding Voltage of Output Tr.			50 V	Max	

<sup>\*1)</sup> at Maximum Sink Current

#### Wave Form



### **Electrical Connections**

2M
2MC

5	Color	Signal	
	Red	Power Supply(Vcc)	
	Black	0V	
	Green or Blue	Signal A	
	White	Signal B	
	Yellow	Signal Z	
	Shield	NC	

2MD	Color	Signal	Color	Signal
	Red Black Green Blue Shield	Power Supply(Vcc) 0V Signal A Signal Ā NC	White Gray Yellow Orange	Signal B Signal B Signal Z Signal Z

# Mechanical Spec

Starting Torque		9.8×10 <sup>-4</sup> N∙m Max	
Angular Acceleration		1x10 <sup>5</sup> rad/s <sup>2</sup>	
Shaft Loading	Thrust	4.9N	
	Radial	9.8N	
Moment of Inertia		2x10 <sup>-7</sup> kg·m²	
Maximum Permissible Speed		6000min <sup>-1</sup>	
Net Weight		60g Max	

### **Environmental Spec**

–10°C∼+70°C
−30°C~+80°C
RH 85% Max No Condensation
10~55 Hz / 1.5mm X,Y,Z Each 2h
490m/s²,11ms X, Y, Z Each 3 times
IP50

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