

INCREMENTAL TYPE

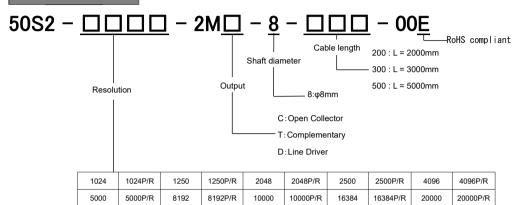
5052 Series



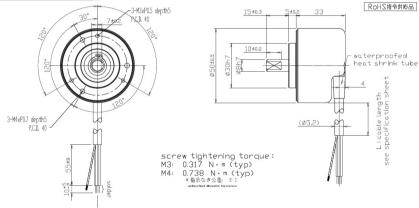
Standard Shaft type

- ♦ High Resolution; Up to 20000P/R
- ♦ Compatible with 50S/NOC3 series

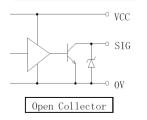
Model

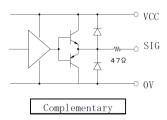


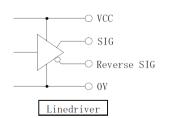
Dimention



Output circuit



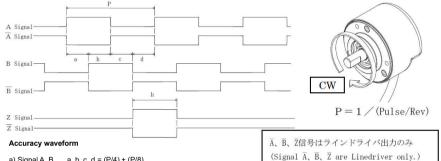




Electrical Spec.

TYPE	2MC	2MT	2MD
Supply Voltage	DC 4.5 to 30V		DC 4.5 to 5.5V
Current consumption (Unloaded)	<50mA (Typ.) 100mA(MAX)	<80mA (Typ.) 130mA(MAX)	<50mA (Typ.) 100mA(MAX)
Output Voltage	[H]: -	[H]:>Vcc -3V	[H]:>2.4V
	[L]:<0.5V	[L]:<3V	[L]:<0.5V
Output Current	40mA MAX	40mA MAX	20mA MAX
Maximum Frequency response	2MHz MAX		
Rise / Fall time	1μs MAX	200μs MAX	100ns MAX
Insulation resistance	50MΩ or more DC 500V(0V⇔CASE)		
Dielectric resistance	AC500V 1minute		

Wave Form



a) Signal A, B a, b, c, d = (P/4) ± (P/8)

Duty = $(P/2) \pm (P/4)$ b) Signal Z $(P/4) \leq h \leq (3P/4)$ *Note: Rising of A signal is one point when Z signal is high.(CW)) Falling of A signal is one point when Z signal is high.(CCW)

Wiring characteristics

Open collector / Complementary		
Color	Signal	
Red	VCC	
Black	OV	
Blue	Sig, A	
White	Sig, B	
Yellow	Sig, Z	
Shield	N. C	

Line driver			
Color	Signal	Color	Signal
Red	VCC	Yellow	Sig, Z
Black	OV	Orange	Sig, Z
Green	Sig, A	Shield	N. C
B1ue	Sig, A		
White	Sig B	7	

Sig, B

Gray

Mechanical Spec.

Starting torque		9.8×10 ⁻³ N⋅m max (at +25°C)
Moment of Inertia		8×10⁻² kg⋅m² max
Maximum	Thrust	49.0N
shaft load	Radial	78.4N
Mechanical speed		5000 r/min max
Angular acceleration		1×10 ⁵ rad/s ² max
Net Weight		250g max

Environmental Spec.

Operating temperature	-10 ~ 85 ℃	
Storage temperature	-30 ∼ 85 ℃	
Relative humidity (No condensation)	RH 85% or less	
Vibration	10 ~ 55Hz/1.5mm	
Shock	980m/s², 11ms	
Ingress Protection	IP65	

[Note] Please contact our sales for inquiries about the product of details.