

MANUAL PULSE GENERATOR
KSM80 Series

- Features : NC tooling machine, Industrial application
 High reliability, Customized logo can be available
 Half permanent durability

Model

MANUAL PULSE GENERATOR
 Outer Diameter Ø80

KSM80 - N -



Resolution(P/R)
 0100

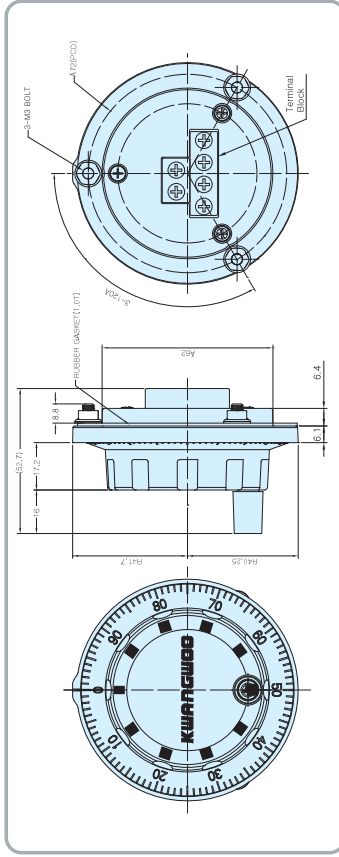
Output Signal
 B : A, B
 U : A, A', B, B'

Output Form
 O : Open Collector
 V : Voltage Output
 L : Line Driver

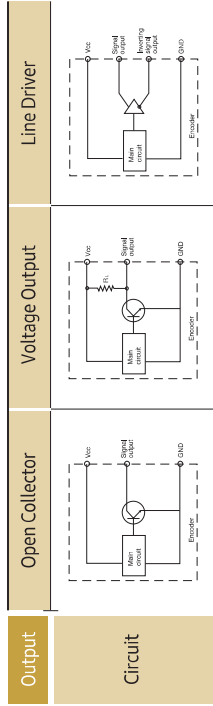


Note) The spec of power may be different depending on the type of output and be sure to check the electric spec.

External Dimension



Output Circuit



ROTARY ENCODER

Electrical Spec.

Output type	Open Collector	Voltage Output	Line Driver
Power Supply	DC +5[V] ~ +15[V] Ripple-p: less than 5%	DC +5[V] ~ +15[V] Ripple-p: less than 5%	DC +5[V] Ripple-p: less than 5%
Consuming Current (In case of load)	70mA Max	70mA Max	150mA Max
Maximum Response Frequency	5KHz MAX	5KHz MAX	5KHz MAX
Output voltage	Less than 20mA	Less than V _{0.5[V]} / More than V _{0.25[V]}	Less than 20mA
Output current	Less than 3μs	Less than 0.1μs	Less than 0.1μs
Rising, decline time	In case that the cable length of output side is 1[M] and load resistance is less than 1[KΩ]		
Common conditions			

Mechanical Spec.

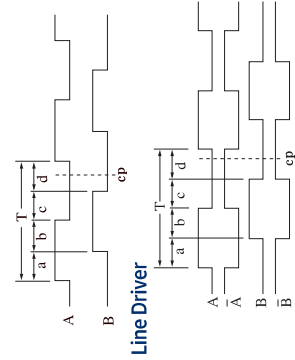
Starting Torque	300gf·cm Max
Maximum number of revolution	600 rpm
Bearing lifetime	50,000(hr)/in case of rotating by 3000(rpm)
Connection Table	6P
weight	185g

Output Phase Shift

CW → Clockwise viewed from shaft end
 $a + b, c + d = T/2 \pm T/8$
 $a, b, c, d = T/4 \pm T/8$



Open Collector, Voltage Output



Rigid Spec.

Operating Temp. Range	-10°C ~ +70°C (No freezing)
Preserving temp	-20°C ~ +85°C
Using humidity	35% ~ +80% RH
Preserving Humidity	30% ~ +85% RH
Internal Vibration	5G
Internal Shock	50G
Degree of Protection	IP 50

Connection Table

Cable Configuration	
Open Collector, Voltage Output	
Line Driver	

