

**PART NUMBER:** JR205XXCXXXXXXX**DESCRIPTION:** incremental hollow-shaft encoder**ELECTRICAL SPECIFICATIONS**

output waveform	Square wave
output signals	A, B, Z phase
current consumption	50 mA max. (JR205C), 60 mA max. (JR20524C)
output voltage	H: $\geq 4.2V$ , L: $\leq 0.5 V$
supply voltage	4.75 ~ 13.2 V dc (JR205C), 21.6~26.4 V dc (JR20524C)
output resolution (ppr)	300, 360, 500, 1000, 1024, 2000, 2048
frequency response	200 kHz max.

**MECHANICAL SPECIFICATIONS**

max shaft load,	axial: 0.5 kgf radial: 1.0 kgf
moment of inertia	35 g·cm <sup>2</sup>
angular acceleration	1 x 10 <sup>8</sup> rad/S <sup>2</sup>
slewing speed	6000 RPM max.
starting torque	30 gf·cm max.
rotational life	1 x 10 <sup>5</sup> rpm hours
weight	120 g
cable length	500mm (no connector)

**ENVIRONMENTAL SPECIFICATIONS**

operating temp	-20° (-30° if no dew condensation) to +90° C
storage temp	-30° to +90° C
humidity	85% RH, no condensation
vibration	10 G @ 55 Hz., 2 hours, 3 axes
shock	100 G, 11 ms, 3 axes, 3 rep.

**ORDERING INSTRUCTIONS**

**JR205XXCXXXXXXX**

Input voltage:

"no entry" = 4.75 ~ 13.2 V dc  
24C = 21.6 ~ 26.4 V dc

Output type:  
Voltage output

Bore  $\varnothing$ :  
S = 6.35mm (.25")  
C = 8mm (.315")

Bracket type:  
(A, C, or D)

Braid shield:

F = Grounded frame  
N = Non-grounded frame

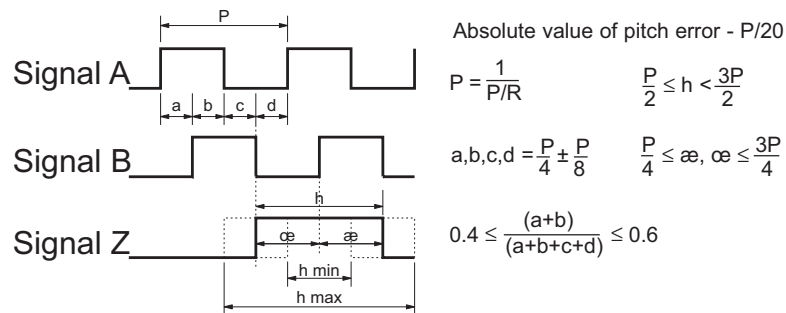
Resolution:

0300 = 300PPR	1024 = 1024PPR
0360 = 360PPR	2000 = 2000PPR
0500 = 500PPR	2048 = 2048PPR
1000 = 1000PPR	

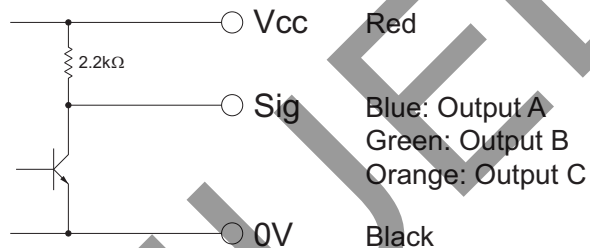
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**OUTPUT WAVEFORM**



**OUTPUT CIRCUIT**



**MECHANICAL DRAWING**

