

PART NUMBER: EC202E020B**DESCRIPTION:** optical encoder**ELECTRICAL SPECIFICATIONS**

output waveform	Square wave
output signals	A, B phase
current consumption	26 mA nominal, 30 mA max.
output voltage	4.2 V min.
“H”	0.4 V max.
“L”	
supply voltage	5 V dc \pm 5%
output resolution (ppr)	20
pulse difference	90° \pm 45°
frequency response	500 Hz max.

MECHANICAL SPECIFICATIONS

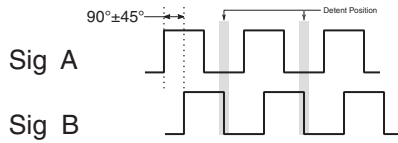
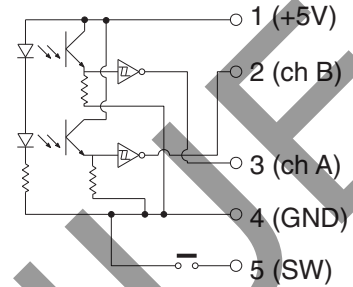
max shaft load, radial:	1.0 kgf
axial:	1.0 kgf
starting torque	50 gf·cm max.
maximum speed	210 rpm
rotational life	2,000,000 cycles

ENVIRONMENTAL SPECIFICATIONS

operating temp	0° to +60° C
storage temp	-20° to +80° C
humidity	85% RH, no condensation
vibration	10 ~ 55 Hz, 1.5mm, 6 hours
shock	490 m/s ² (50 G), 6 ms, 3 axes, 3 reps

PART NUMBER: EC202E020B**DESCRIPTION:** optical encoder**OUTPUT WAVEFORM**

Counter clockwise rotation viewed from front

**OUTPUT CIRCUIT****MECHANICAL DRAWING**