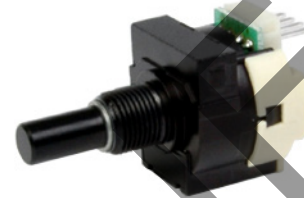


**SERIES:** EC202V | **DESCRIPTION:** OPTICAL ENCODER**FEATURES**

- 22mm wide
- metal shaft
- 50 and 100 ppr resolution

**SPECIFICATIONS**

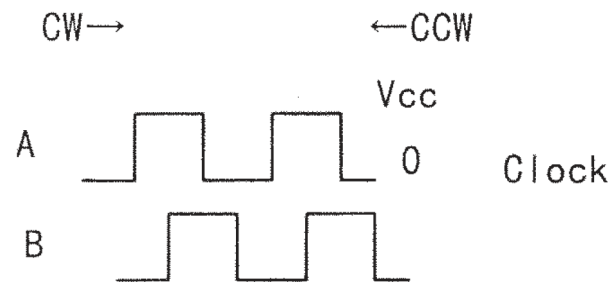
parameter	conditions/description	min	typ	max	units
supply voltage		4.75	5	5.25	Vdc
current consumption				30	mA
output waveform	square wave				
output	incremental				
output resolution	50, 100				ppr
phase difference		45	90	135	°
frequency response				500	Hz
operational torque	without click			50	gf·cm
rotational life				2,500,000	cycles
weight			28		g
operating temperature		0		60	°C
storage temperature		-20		80	°C
current consumption				30	mA

**PART NUMBER KEY****EC202V - XXX A**

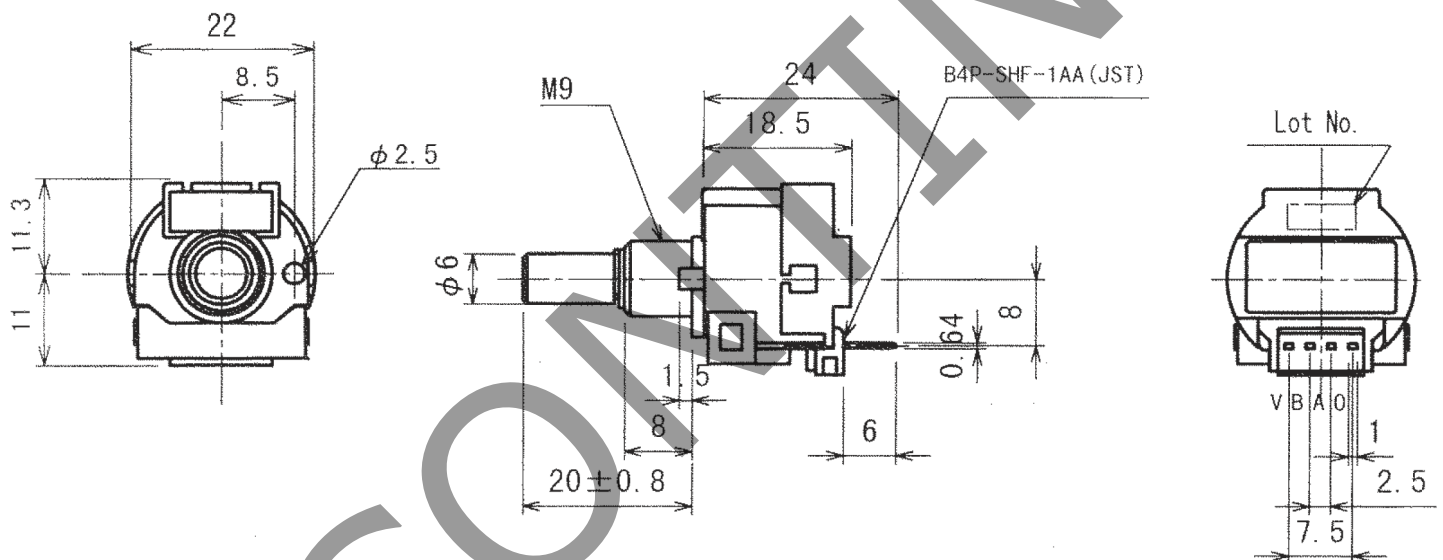
Base Number

Output Resolution:  
050 = 50 ppr  
100 = 100 ppr

## OUTPUT WAVEFORM



## MECHANICAL DRAWING



## REVISION HISTORY

rev.	description	date
1.0	initial release	08/09/2004
1.01	brand update	09/03/2020

The revision history provided is for informational purposes only and is believed to be accurate.

---

# CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.