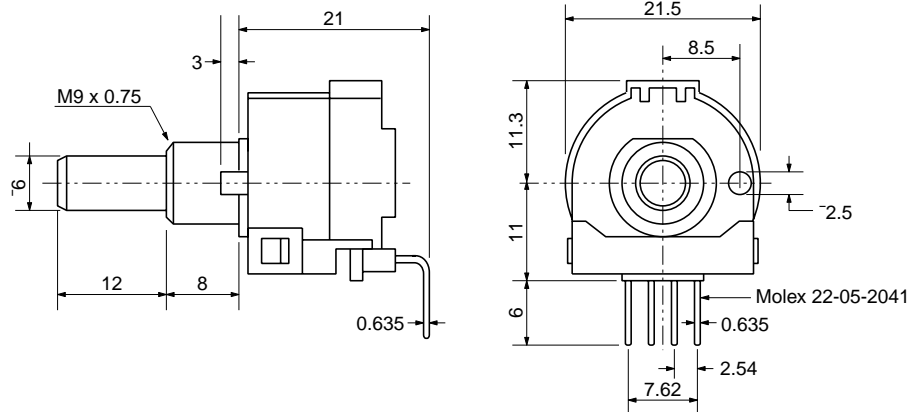


PANEL/PCB MOUNT

High Resolution

- Economical
- Metal Shaft
- Low Current
- Rugged Design

Panel Mount/Right Angle (S) Type



SPECIFICATIONS

ELECTRICAL

1. Input Voltage: 5.0 VDC $\pm 5\%$
2. Current Consumption: 26mA nominal; 30mA max.
3. Output Voltage: High: 4.2Vmin
Low: 0.4Vmax
4. Max. Freq. Response: 500 Hz

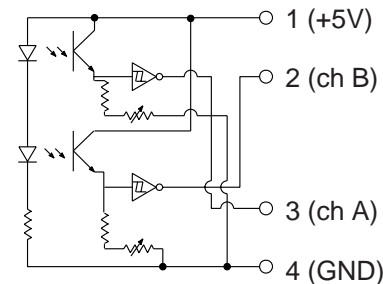
MECHANICAL

1. Max Shaft Load, radial: 1.0 kgf
axial: 1.0 kgf
2. Rotational Angle: 360° continuous
3. Starting Torque: 50 gfcm max.
4. Rotational Life: 2.5×10^6 cycles

ENVIRONMENTAL

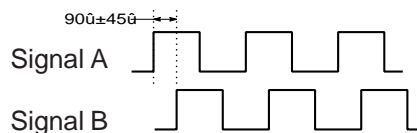
1. Operating Temp: 0° to +60° C
2. Storage Temp: -20° to +80° C
3. Humidity: 85% RH, no condensation
4. Vibration: 10 - 55 Hz, 1.5 mm, 2 hrs
5. Shock: 50G, 6ms, 3 axes, 3 reps

OUTPUT CIRCUIT



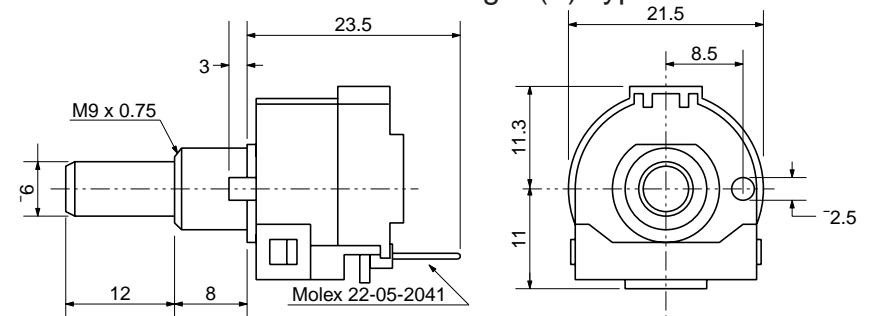
OUTPUT WAVEFORM

Clockwise rotation viewed from front



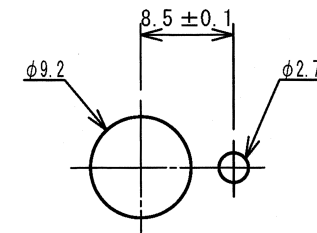
REV.	DESCRIPTION	DATE
A	NEW DRAWING	10/19/2007

Panel Mount/Straight (T) Type



Mounting Hole Dimensions & Panel Thickness Range

$t = 1.6 \sim 2.5 \text{ mm}$



STANDARD RESOLUTIONS

EC202AXXX

025	25 P/R	050	50 P/R
075	75 P/R	100	100 P/R
		128	128 P/R

Resolutions are stated in cycles per revolution and can be resolved to 4x the cycle resolution (100 = 400, 128 = 512, etc.)

ORDERING INSTRUCTIONS

EC202AXXXA2XD

Resolution:
025 = 25PPR
050 = 50PPR
075 = 75PPR
100 = 100PPR
128 = 128PPR

Pin Orientation:
S = Right Angle
T = Straight



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Tualatin, OR 97062
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800-275-4899
Fax: 503-612-2383
Website: www.cui.com

TITLE: panel mount optical encoder		
PART NO. EC202AXXX2XD	UNITS: MM	
DRAWN BY: JRH	APPROVED BY:	SCALE:

