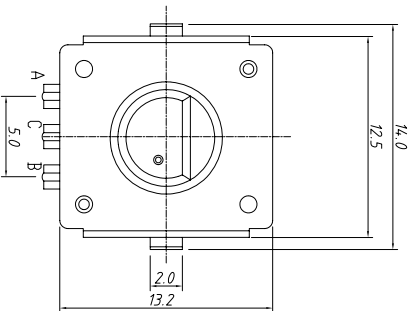
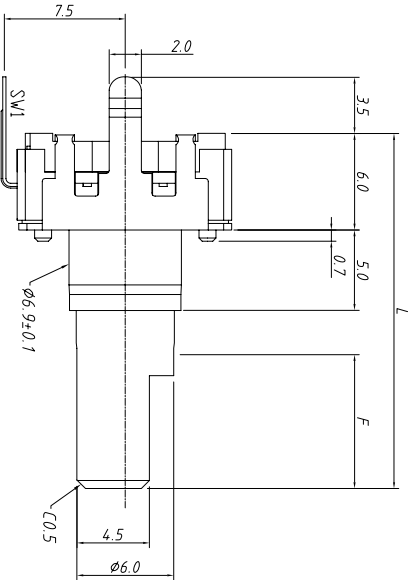


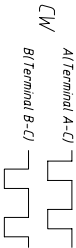
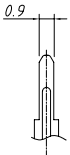


Electrical Characteristics

- Rated Power: DC5V 5mA Max.
- Output signal: A \ B 2signals
- Resolution: 12 Pulses 360° / 24 Pulses 360°
- Phase difference: 0.08T Min.
- Sliding noise: 3mS Max.
- Contact Resistance: 1 Ω Max.
- Insulation resistance: 100MΩ Min. at DC 250V
- Withstand voltage: AC300V / 1 min

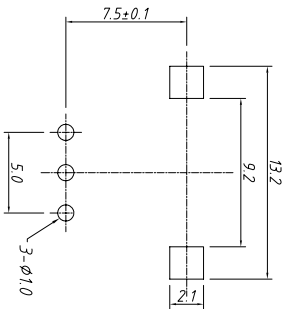
Mechanical

- Total rotation angle: 360°
- Rotational Torque: 1kgf.cm Max
- Click Torque: 20 ~150 gf.cm
- Push-pull Strength of Shaft: 8.0kgf Min.
- Number of Detents: 12 detents Step angle:30°±2°
- 24 detents Step angle:15°±2°
- Without detents
- Rotational Life: 30000±200 cycles per 100gf.cm Min.
- Temp. Range: -30 ° C ~ + 85 ° C
- Soldering: 250 ° C 5Sec. Max.



OUTPUT PHASE

Shaft type					
	L	18.5	21	26	
	F	5	7	12	



PCB LAYOUT

Order Information:

L-KLS4-EK1202 - B XX- XXX

RoHS 12mm Encoder

Shaft type and Length Code

Pulse and Detent Code

6A: 12 Pulse with 12 Detents

6B: 12 Pulse without Detent

8A: 24 Pulse with 24 Detents

8B: 24 Pulse without Detent

GENERAL TOLERANCE		ANGLE TOLERANCE		PROJECTION		 Description:	
X. ± 0.50	X. $\pm 5^{\circ}$	UNITS	mm	12MM Encoder Plastic shaft			
.X ± 0.38	.X $\pm 3^{\circ}$	SHEET SIZE	A4				
.XX ± 0.25	.XX $\pm 2^{\circ}$	KLS P/N:		KLS4-EK1202-BXX-XXX			
Draw by: Date		2015-09-01		KLS ELECTRONIC CO., LTD.			
Check by:: Date		2015-09-15					
SCALE		SHEET		OF			