

PCB LAYOUT

Shaft type		D=5					D=7				
F Shaft	L	11	11.5	12	13.5	14	15	17	20	20	30
	F	5	5	5	7	6	7	7	6.5	10	12

Shaft type		D=5					D=7				
L Shaft	L	11.5	12.5	15	20	15.3	20	25	28	30	
	F	5	5	7	7	7	7	14	12	12	

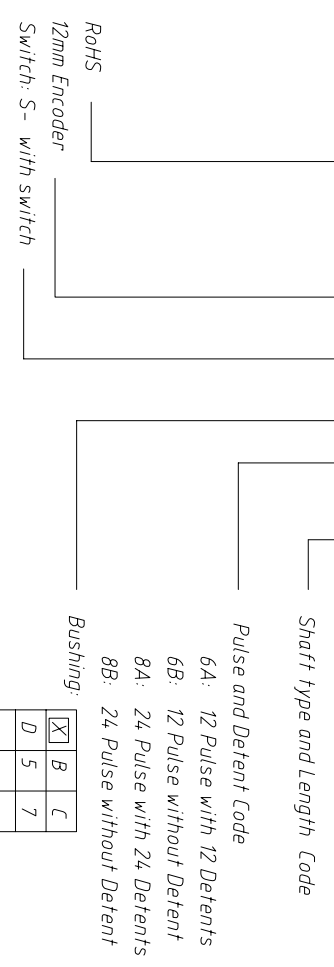
Electrical Characteristics
 Rated Power: DC5V 5mA Max.
 Output signal: A \ B 2signals
 Resolution: 12 Pulses 360° / 24 Pulses 360°
 Phase difference: 0.08T Min.
 Sliding noise: 3mS Max.
 Contact Resistance: 1Ω Max.
 Insulation resistance: 100MΩ Min. at DC 250V
 Withstand voltage: AC300V / 1min

Mechanical
 Total rotation angle: 360°
 Rotational Torque: 1kgf.cm Max
 Click Torque: 20~150 gf.cm
 Push-pull Strength of Shaft: 80kgf 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.

Order Information:

L-KLS4-EC1207 S - B XX- XXX



Bushing	B	C
<input checked="" type="checkbox"/>	5	7
<input type="checkbox"/>	D	

GENERAL TOLERANCE		ANGLE TOLERANCE		PROJECTION		Description:	
X. ±0.50	X. ±0.38	X. ±5°	X. ±3°	mm	A4	12MM SMD Encoder Metal	
.XX ±0.25	.XX ±2°			SHEET SIZE		Shaft with Switch	

Draw by: Date	2015-09-01	KLS ELECTRONIC CO., LTD.	
Check by: Date	2015-09-15		
SCALE			