



PCB LAYOUT

- Electrical Characteristics**
- Rated Power: DC5V 5mA Max.
 - Output signal: A \ B Zsignals
 - Resolution: 15 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°
 - Click Torque: 80 ~200gf.cm Max
 - Push-pull Strength of Shaft: 8.0kgf Min.
 - Shaft wobble: 0.7xL/30mm P-P max. L-shaft length
 - Number of Detents/Click: 30 detents Step angle:12°±2°
 - Shaft play in axial direction: 0.4mm Max.
 - shaft play in rotational wobble: 5° Max.
 - Rotational Life: 30000±200 cycles
 - Temp. Range: -40 ° C ~ + 85 ° C
 - Soldering: 250 ° C 5Sec. Max.

GENERAL TOLERANCE		ANGLE TOLERANCE		PROJECTION		Description:
X. ±0.50	.X ±0.38	.XX ±0.25	X. ±5°	.X ±3°	.XX ±2°	
Draw by: Date	2015-09-01					28MM Ring type Encoder KLS4-RT2801
Check by: Date	2015-09-15					
SCALE	SHEET	OF				

KLS ELECTRONIC CO., LTD.