



P. C. B MOUNTING HOLE DETAIL

EC16 SERIES ROTARY ENCODER
EC16 编码器

Electrical characteristics 电气特性	
Rating Power 额定功率	DC5V 10mA
Fluttering 振荡	T1,T3≤3ms
Sliding Noise(Bounce)滑动杂音	T2≤2ms
Dielectric Voltage 耐电压	For 1 minute or more AC 50V
Insulation resistance 绝缘阻抗	More than 10MΩ at DC 50V
Phase Difference 相位差	Δt±0.08t

Mechanical characteristics 机械特性	
Total Rotational Angle 旋转角度	360°
Rotational Torque 旋转力矩	30gf.cm~200 gf.cm
Number of click 档位数量	24 Detents(Angle:15°±3°) 12 Detents(Angle:30°±3°)
Push-Pull Strength 轴推拉强度	5Kgf.cm Min for 10Sec

Switch Specifications 开关特性	
Maximum Ratings 额定电压	DC5V 10mA(1mA Min)
Contact resistance 接触阻抗	200mΩ Max
Travel of switch 开关移动量	0.5+0.4/-0.3 mm
Operating force of switch 开关动作力	500±300gf

Environmental characteristics	
Rotational Life 旋转寿命	30,000 cycles
Switch Life 开关寿命	20,000 cycles

C16 轴心轴套规格



输出信号

输出信号名称 Signal Name	信号 Signal	正向 Direction	反向 Reverse
顺时针方向 C.C.W.	A ("C"子线) A(Terminal A "C")		
逆时针方向 C.C.W.	B ("C"子线) B(Terminal B "C")		

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TOLERANCE UNLESS OTHERWISE STATED:
Up to 5 ±0.2
Above 5 ~ 15 ±0.3
Above 15 ~ 30 ±0.4
Above 30 ~ 50 ±0.5
Angle ±0.3

3RD. ANGEL'S



UNITS

MM

DRAWN BY: Jack Lu
DATE: 07/23/13
CHECKED BY: Jacky Chen
DATE: 07/23/13
APPROVED BY: Tony Kao
DATE: 07/23/13

MAT'L	TITLE	EC ENCODING SWITCH
FINISH	MODLE	EC编码开关系列
SCALE 1 : 1	DWG NO.	KSD-EC-1602S
SHEET NO. 1 of 1	PART NO.	

ITEM NO.	DESCRIPTION	DRAWN	DATE
2	公差及料號更新	Jack	072313
1	圖面更新	Frank Wu	021012

SIZE A4
VER R2