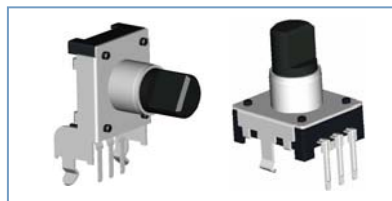
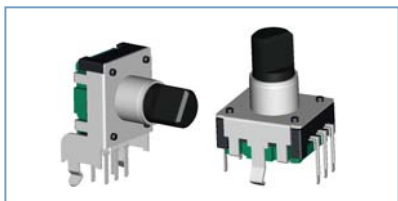


ED12 Series

Rotary Encoder



ED12 — 12 — S — 24P — 24LC — F15A7

1

Model Series
产品系列

4

Pulse
脉冲数

5

Detent
定位数

2

Design Code
设计代号

3

Switch Option
开关控制

6

Shaft Type and Shaft Length
轴型及轴长

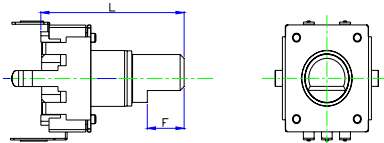
Ordering Information 订货说明		Code 代码				
1	Modor Series 产品系列	ED12				
2	Design Code 设计代号		See Note 1 (ED12 Series Dimensions) 附件 1 (ED12 系列产品图)			
3	Switch Option 开关控制	S	With Momentary Switch 带瞬时接触开关			
			No Switch 不带开关			
4	Pulse 脉冲数	12P	12 脉冲			
		18P	18 脉冲			
		24P	18 脉冲			
5	Detent 定位数	0	12 Pulse Without Detent 12 脉冲不带定位		Code 代码	Detent torque 定位扭矩
		12	12Pulse With 12 Detent 12 脉冲带 12 定位		LLC	20±10gf.cm
		0	18 Pulse Without Detent 18 脉冲不带定位			LC
		18	18 Pulse With 18 Detent 18 脉冲带 18 定位		HC	
		0	24 Pulse Without Detent 24 脉冲不带定位			HHC
		24	24 Pulse With 24 Detent 24 脉冲带 24 定位			
6	Shaft Type and Shaft Length 轴型及轴长	See Note 2 附表 2				

ED12 Series

Rotary Encoder

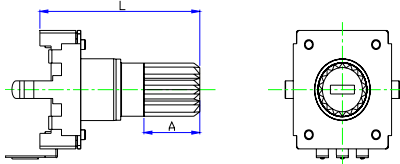
Note 2: Shaft Type and Shaft Length 轴型及轴长

F 轴



成品长	F12.5	F15	F16	F17.5	F20	F22.5	F25	F30
L	12.5	15	16	17.5	20	22.5	25	30
F	4.5	5	4.5	5	7	7	12	12

Y 轴



成品长	Y17.5	Y20	Y25	Y30
L	17.5	20	25	30
A	5	7	12	12

MECHANICAL SPECIFICATION 机械性能

Operating Temperature 工作温度	-20℃ ~ +70℃
Shaft Rotation Force 操作力矩	20gf.cm ~ 200gf.cm
Soldering Heat 焊接温度	260℃ , 3~5sec
Push-pull Strength 轴推拉强度	5 Kgf.cm

ELECTRICAL SPECIFICATION 电气性能

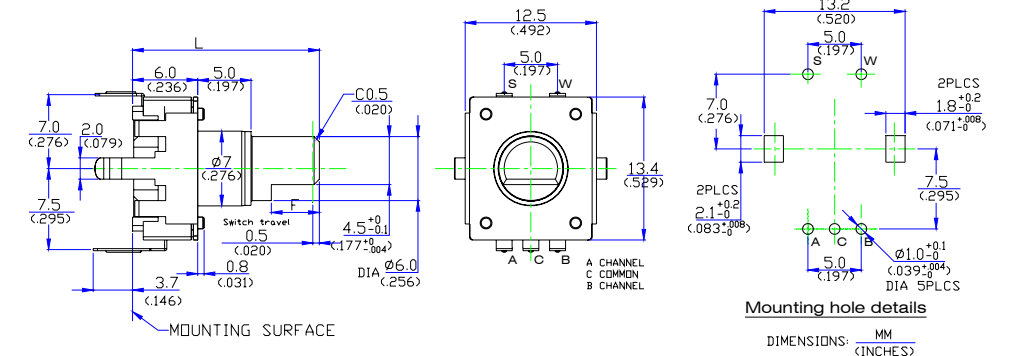
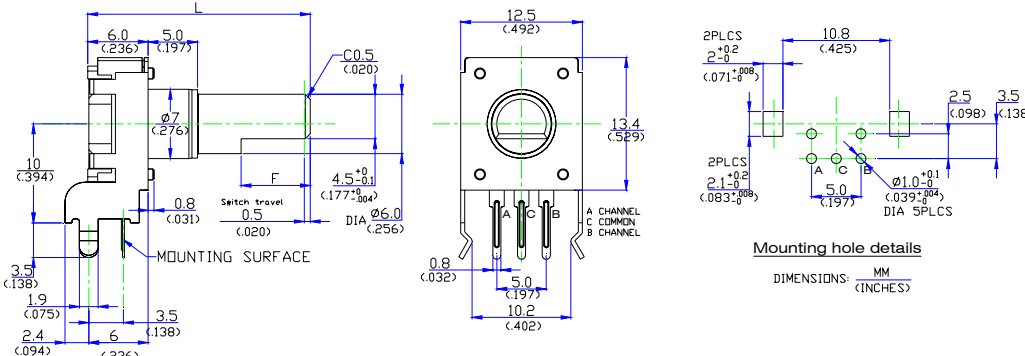
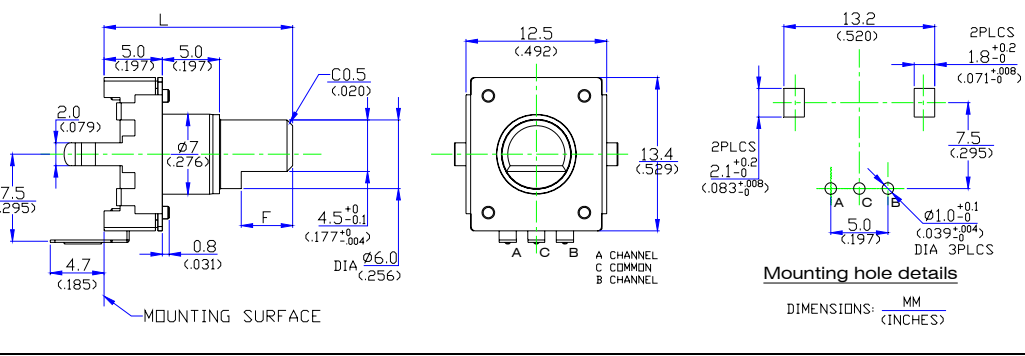
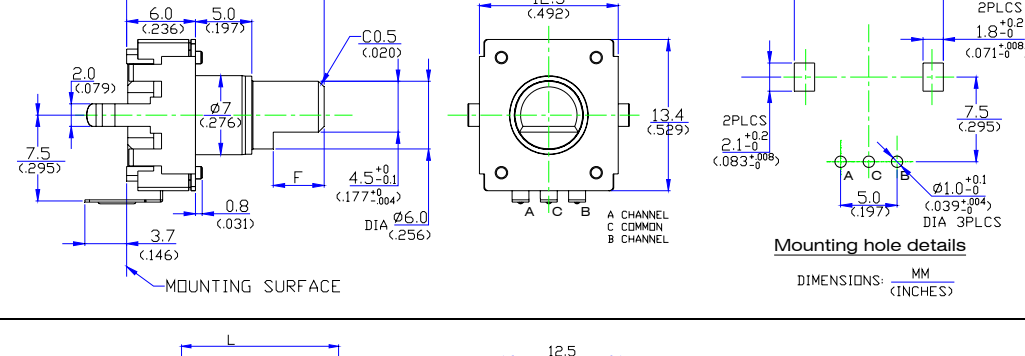
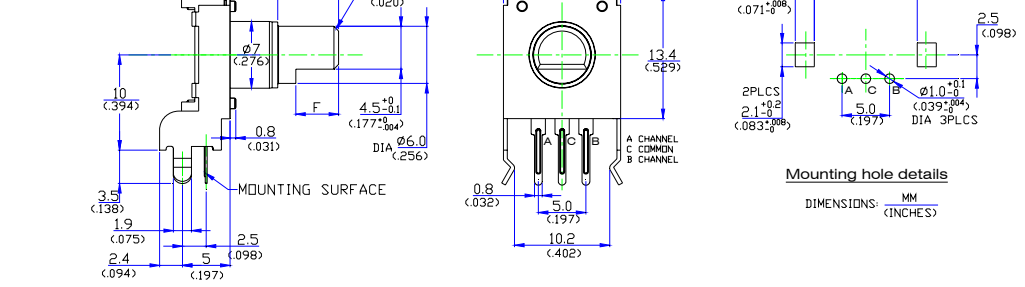
Power Rating 额定功率	DC5V 10mA(Each Bit)
Output Signals 输出信号	12pulses/18pulses/24pulses, 360°
Locate Point 定位点	12detent points/18detent points/ 24detent points360°
Phase-Difference ΔT 相位差	0.08T Min.(Measurement shall be made under the condition which the shaft is rotated in 360°/S)
Insulation resistance 绝缘电阻	More than 100M Ω (AT 50V DC)
Contact resistance 接触电阻	1 Ω Max
Withstand Voltage 耐电压	For 1 minute at 100V AC
Rotational life 回转寿命	30,000 cycles

PUSH-ON SWITCH SPECIFICATION 推动开关

Switch Travel 开关工作行程	0.5±0.3mm
Switch Operating Force 开关作动力	610±306gf.cm
Switch Power Rating 开关额定功率	DC 12V 10mA
Switch Contact Resistance 开关接触阻抗	3 Ω Max
Switch Life 开关寿命	20,000 Cycles

ED12 Series Rotary Encoder

Note 1 : ED12 Series Dimensions

ED1212S-□ P-□ C-□ 	 Mounting hole details DIMENSIONS: MM (INCHES)
ED1215S-□ P-□ C-□ 	 Mounting hole details DIMENSIONS: MM (INCHES)
ED1212-□ P-□ C-□ 	 Mounting hole details DIMENSIONS: MM (INCHES)
ED1223-□ P-□ C-□ 	 Mounting hole details DIMENSIONS: MM (INCHES)
ED1215-□ P-□ C-□ 	 Mounting hole details DIMENSIONS: MM (INCHES)