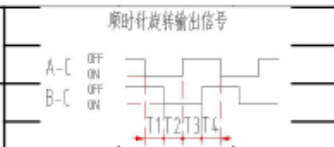
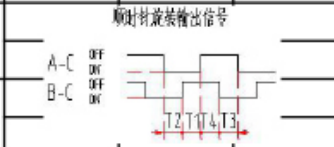
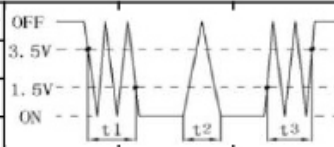
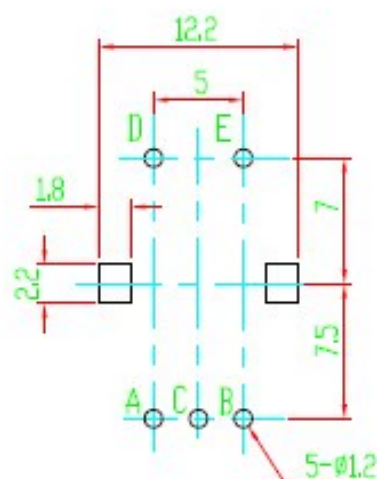
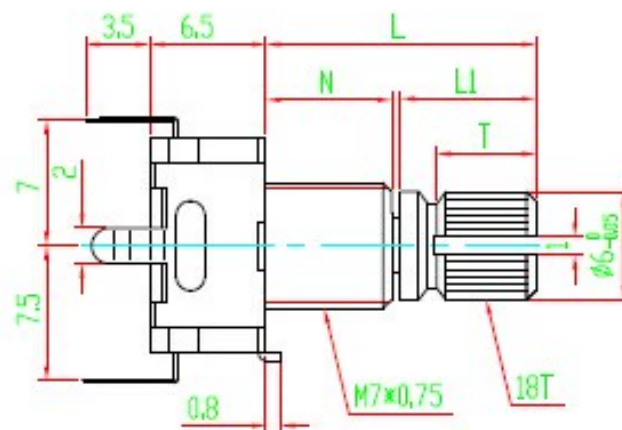
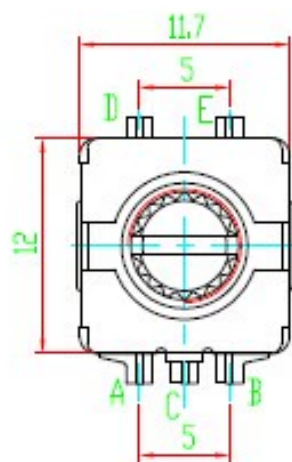
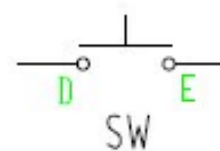


EC11系列规格书/EC11 Series Specification			
客户名称			
型号规格	EC11-1S-D7*6.5-L15F7-BC 20P 20C		
客户型号			
客户料号			
一. Mechanical Characteristics 机械性能			
ITEM 项目		SPECIFICATION 规格	
Total Rotational Angle 全程旋转角度		360°	
Rotantional Torque 旋转力矩（无定位产品）		□20≈200gf.cm	
Click pull-out Torque 定位脱出力矩		■20≈150gf.cm	
Shaft push-pull Strength轴推拉强度		8.0kgf-8.0kgf Min at 8sec	
Shaft Wobble Strength 轴的晃动		0.7xL/30 mm P-P max L:shaft length(轴长)	
Number of Click(定位数)		■20 clicks Step Angle:18° ±2°	
		□30 clicks Step Angle:12° ±2°	
Bushing-nut tightening strength(螺纹锁紧强度)		7.0kgf.cm Min	
Shaft rotational gap 轴旋转间隙		0.4mm Max	
Shaft play in rotational wobble 轴的回转方向摆动		5° Max	
二. Electrical Characteristics 电气性能			
ITEM 项目		SPECIFICATION 规格	
Power rated 额定功率		DC 5V, A、B lead 5mA Max, C lead 10mA Max	
Output signal 输出信号		A、B 2 signals	
Resolution 分解能力	AC 先通	□20 pulses/360°	
		□15 pulses/360°	
	BC 先通	■20 pulses/360°	
		□15 pulses/360°	
Contact resistance between pins 端子间接触电阻		1 Ω Max	
Phase difference 相位差		T1、T2、T3、T4≥0.08T	
Rotation noise 滑动杂音		t1, t3≤3mS t2≤2mS	
Insulation resistance 绝缘阻抗		100MΩMin at DC 250V	
Dielectric 耐电压		1 minute at AC 300V	
			
三. Endurance characteristics 耐久性能			
ITEM 项目		SPECIFICATION 规格	
Rotational life 旋转寿命		□ 30,000±200 cycles ≤100gf.cm	
		□ 15,000±200 cycles ≥100gf.cm	
Storage temperature range 储存温度		-40℃≈+85℃	
Operating temperature range 使用温度		-30℃≈+80℃	
Soldering characteristic 焊锡温度		dipping in soldering≤206℃±5°, within 3S	
		solder by hand:≤300℃±5°, within 3S	

Shaft Shown in Full  
C.C.W. Position



P.C.B MOUNTING DETAIL



CW →

A Signal OFF ON

B Signal OFF ON

← CCW

L	15	17	20	✓
L1	7.5	9.5	12.5	✓
T	5.5	6	9	✓
N	7	7	7	✓