

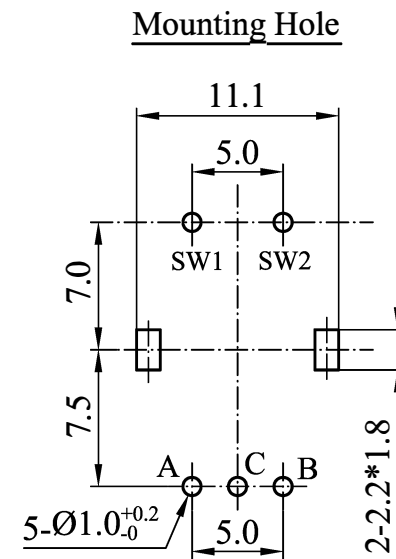
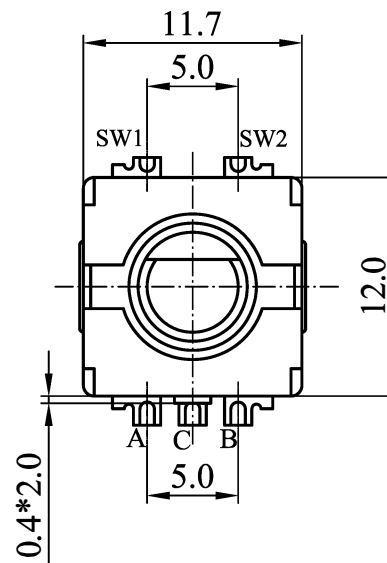
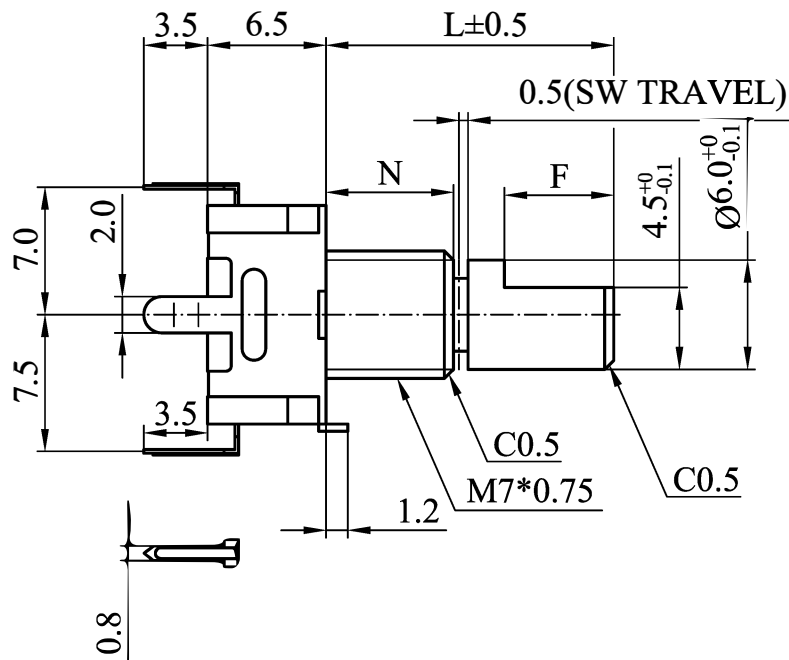
客戶 Customer :

規格型號 Model : ED1115S-15P-30C-25F/LAL/N=7/F=12/CW

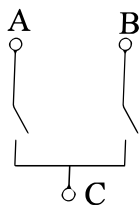
一般事項 General	
使用溫度範圍 Operating temperature	-10 °C ~ 70 °C
儲存溫度 Storage temperature	-40 °C ~ 85 °C
電氣特性 Electrical Characteristics	
額定功率 Power rating	DC 5 V 0.5 mA
絕緣阻抗 Insulation resistance	$\geq 100 \text{ M}\Omega$ at DC 300 V
耐電壓 Withstand voltage	For 1 minute or more (at AC 300 V)
滑動雜訊 Sliding noise	$t_1, t_3 \leq 3 \text{ mS}$, $t_2 \leq 2 \text{ mS}$ (Test conditions 測試條件: $360^\circ / \text{S}$) Using the C / R filter circuit is recommended 建議使用 C / R 濾波電路
分解能力 Resolution	15 pulses / 360° for each phase 每相15脈衝 / 360°
相位差 Phase difference	$\Delta T = 0.25 \pm 0.17 \text{ T}$
輸出信號和旋轉方向 Output signal and rotational direction	順時針方向 A Signal C.W direction B Signal
機械特性 Mechanical Characteristics	
全回轉角度 Total rotational angle	360°
全回力矩 Rotational torque	20 ~ 200 gf.cm (Shaft may be hard rotatable at -10 °C ~ +5 °C 但在 -10 °C ~ +5 °C 軸勉強可轉動)
軸推拉力矩 Shaft push-pull strength	8 KgF max
定位點數及位置 Number and position detent	☐ 20 detents (Step angle: $18^\circ \pm 3^\circ$) ☒ 30 detents (Step angle: $12^\circ \pm 3^\circ$) ☐ 0 detents (Step angle: 360°)
軸向間隙 Shaft play in axial direction	0.4 mm max
軸擺動 Shaft wobble	$0.7 * L / 30 \text{ mm p-p}$ 以下 (L: 指安裝平面到軸的柄端的距離) $0.7 * L / 30 \text{ mm p-p}$ Max L: Distance between mounting surface and the top of the shaft.
回轉壽命 Rotational life	30,000 cycles at a speed of 600 cycles / per hour 每小時 600 圈的速度測試

焊錫耐熱性 Resistance to soldering heat	手焊: 300 °C 以下, 3 秒以內. 自動或半自動機台焊錫條件: 預熱: 基板表面溫度 100 °C 以下, 時間 1 分以內, 過錫爐: 260 ± 5 °C 3 ~ 5 秒 Manual soldering: less than 300 °C and within 3 seconds. For automated or semi-automated soldering equipments: Preheating: surface temperature of board: less than 100 °C and within 1 min. Auto soldering: 260 ± 5 °C for 3 ~ 5 seconds.
推動開關規格 Push-on Switch Specific Ations	
開關電路 Switch circuit	Single pole and single throw (push on) 單極單投 (推動)
開關工作行程 Switch travel (mm)	0.5 ^{+0.4} _{-0.3} mm
開關作動力 Switch operating force	500 ⁺²⁰⁰ ₋₂₀₀ gf.cm
開關額定功率 Switch rating power	DC 5 V 10 mA (minimum rating 最小功率: DC 5 V 1 mA)
開關接觸阻抗 Switch contact resistance	第一個週期: 100 mΩ, 在有效的壽命範圍結束後 200 mΩ。 First period 100 mΩ ; 200 mΩ after the end of useful life is reached
開關按壓壽命 Switch push life	20,000 cycles (500 cycles / H, shaft push load 1 kgf max ; 按壓力 1 kg 以下, 500 次 / H)
Note 注明: 當無產品帶開關結構時, 以上推動開關規格整項取消 Note: When there is no product with switch structure, the above drive switch specifications are cancelled as a whole	

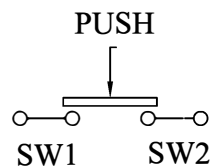
核准 Approval	審核 Auditing	校對 Checked	制作 Projected
			



CIRCUIT



SWITCH



	11					9					10						
	N=5					N=7								Non notation tolerance			
L=	11	13.5	15	17.5	20	15	15	17.5	20	20	25	28	30	< 10	±0.3		
F=	4	5	7	10	10	5	7	10	7	10	12	7	12	10 ~ 100	±0.5		
CHOOSE														> 100	±0.8		

FLYiNG

MODEL: ED1115S(F)/LAL/0496

Approval



Checked



Projected



UNIT

mm

SCALE

2:1

VERSION

2.1

DATE

2016.12.15

DRAWING NO.

ED-062



11

N=5, 增加L=13.5, F=5

何鴻根

2020.03.13

10

N=7, 增加L=28, F=7

何鴻根

2019.11.22

9

N=7, 增加L=15, F=5

何鴻根

2019.11.04

8

图元整理

何鴻根

2019.05.07

ISSUE

SUBJECT

NAME

DATE

RECORD