

松暉電機工業股份有限公司 SONG HUEI ELECTRIC CO., LTD. 佛山市松暉電機科技有限公司 FOSHAN SONG HUEI ELECTRIC CO., LTD.

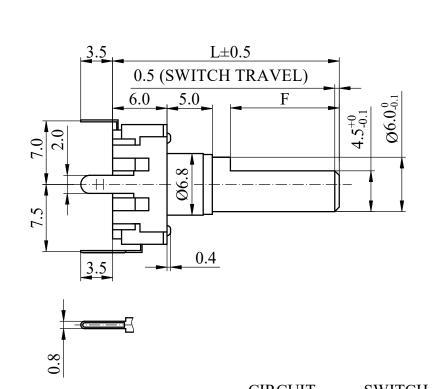
	一般事項 General				
使用溫度範圍 Operating temperature	-10 °C ~ 70 °C				
储存温度 Storage temperature	-40 °C ~ 85 °C				
	電氣特性 Electrical Characteristics				
額定功率 Power rating	DC 5 V 0.5 mA				
絕緣阻抗 Insulation resistance	$100~\text{M}\Omega$ at DC $300~\text{V}$				
耐電壓 Withstand voltage	For 1 minute or more (at AC 300 V)				
滑動雜訊 Sliding noise	$t1, t3 \leq 3$ mS, $t2 \leq 2$ mS (Test conditions 測試條件: $360 \circ / S$) Using the C / R filter circuit is recommended 建議使用 C / R 濾波電路 $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				
分解能力 Resolution	□ 12 □ 24 個相位脈衝 / 360° □ 12 □ 24 pulses / 360° for each phase.				
相位差	12 12 24 puises / 300 101 cach phase.				
Phase difference	$\triangle T = 0.25 \pm 0.17 T$				
輸出信號和旋轉方向 Output signal and rotational direction	顺時針方向 A Signal OFF ON OFF ON OFF ON ON OFF ON				
	機械特性 Mechanical Characteristics				
全回轉角度 Total rotational angle	360 °				
全回力矩 Rotational torque	$20\sim 200$ gf.cm (Shaft may be hard rotatable at -10 °C \sim +5 °C 但在 -10 °C \sim +5 °C 軸勉強可轉動)				
軸推拉强度 Shaft push-pull strength	□ With switch 5 Kgf □ without switch 8 Kgf □ 帶開關為 5 Kgf □ 不帶開關為 8 Kgf				
定位點數及位置 Number and position detent	□ 12 detents (Step angle: $30 \circ \pm 3 \circ$) □ 24 detents (Step angle: $15 \circ \pm 3 \circ$) □ 0 detents (Step angle: $360 \circ$)				
軸向間隙 Shaft play in axial direction	0.4 mm max				
軸擺動 Shaft wobble	0.7 * L / 30 mm p-p 以下(L: 指安裝平面到軸的柄端的距離) 0.7 * L / 30 mm p-p Max L: Distance between mounting surface and the top of the shaft.				
軸的回轉方向擺動 Shaft play in rotational wobble	5°以下 5° Max				
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				

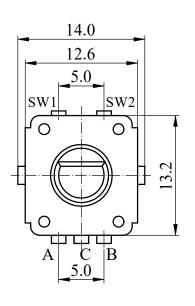


松暉電機工業股份有限公司 SONG HUEI ELECTRIC CO., LTD. 佛山市松暉電機科技有限公司 FOSHAN SONG HUEI ELECTRIC CO., LTD.

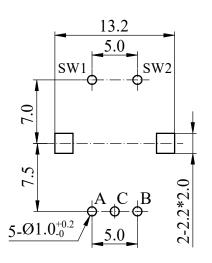
焊錫耐熱性 Resistance to soldering heat	手焊: 300 ℃ 以下, 3 秒以內. 自動或半自動機台焊錫條件: 預熱:基板表面溫度 100 ℃ 以下, 時間 1分以內, 過錫爐: 260 ± 5 ℃ 3 ~ 5 秒 Manual soldering: less than 300 ℃ and within 3 seconds. For automated or semi-automated soldering equipments: Preheating: surface temperature of board: less than 100 ℃ and within 1 min. Auto soldering: 260 ± 5 ℃ for 3 ~ 5 seconds.
	推動開關規格 Push-on Switch Specific Ations
開關電路	Single pole and single throw (push on) 單極單投 (推動)
Switch circuit	Single pole and single anow (pash on) + E+IX (1439)
開關工作行程	0.5 +0.4 mm
Switch travel (mm)	0.3 _{-0.3} mm
開關作動力	500 +200 af cm
Switch operating force	500 ⁺²⁰⁰ ₋₂₀₀ gf.cm
開關額定功率	DC 5 V 10 mA
Switch rating power	DC 3 V 10 mA
開關接觸阻抗	第一個週期: 100 mΩ, 在有效的壽命範圍結束後 200 mΩ
Switch contact resistance	First period $100 \text{ m}\Omega$; $200 \text{ m}\Omega$ after the end of useful life is reached
開關按壓壽命	20,000 grades (500 grades / H. shoft much load 1 kef may, 按原力 1 kg 以下 500 次 / H.)
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:當產品無帶開關結構時,	以上推動開闢規格整項取消

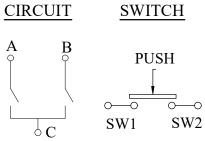
Note: When product without switch structure, the above switch specifications are cancelled.





Mounting Hole





					Non notation tolerance			
L=	15	17.5	20	22.5	25	30	< 10	±0.3
F=	3.5	5	7	7	12	12	10 ~ 100	±0.5
choose							> 100	±0.8



SONG HUEI ELECTRIC CO., LTD. FOSHAN SONG HUEI ELECTRIC CO., LTD.

Approval	
----------	--



Checked



Projected



NO.

MODEL: ED1212S(F)/PH/0496

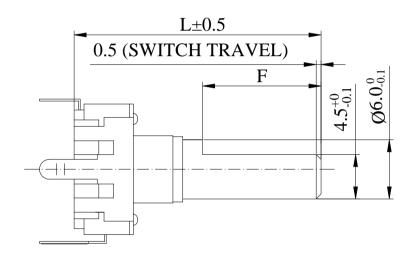
UNIT	mm	SCALE	2:1
VERSION	1.2	DATE	2017.08.30
DRAWING	ED-074	\oplus	\Box

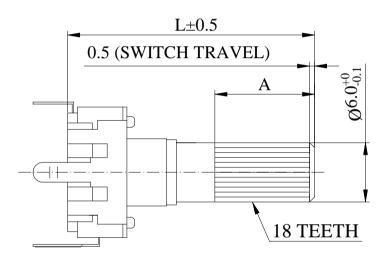
A			
<u>A</u>			
Δ	原 L=15,F=5 改 F=3	. 河鸿根	2019.

.08.19 整理图元 何鸿根 2019.01.0 ISSUE **SUBJECT** NAME DATE

RECORD

Shaft Types 軸型:





F Type

L=	15	17.5	20	22.5	25	30
F=	3.5	5	7	7	12	12

KC Type

L=	20	22.5	25
A=	7	7	12