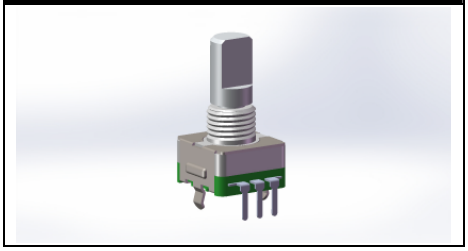
SONG HUEI ELECTRIC CO.,LTD

11mm Metal Shaft Rotary Encoder With Push-On Switch

ED1115S

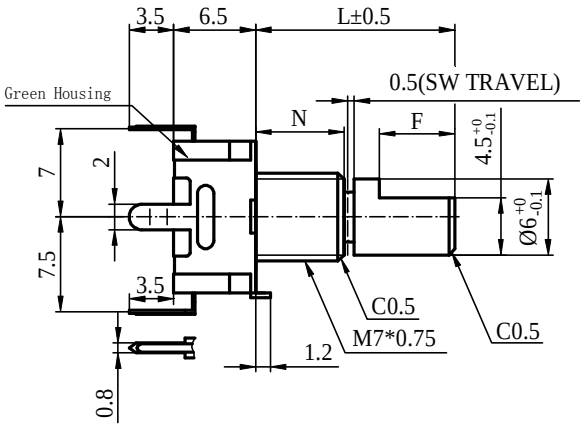


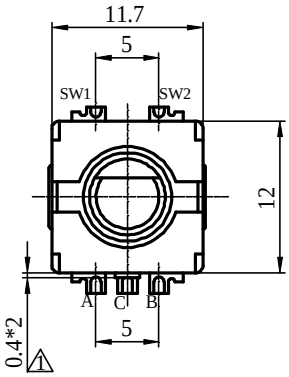
Part Number

ED1115S – 20P – 20C – 25 F

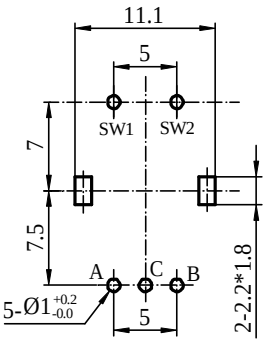
- 20P: Pulses
- 20C: Clicks
- 25: Shaft lengeth
- F: Shaft typ

Dimensions

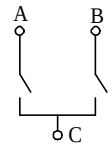




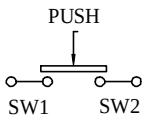
Mounting Hole



CIRCUIT

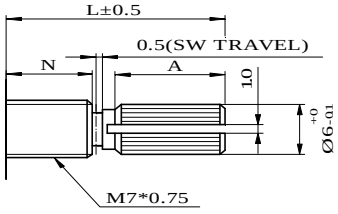


SWITCH



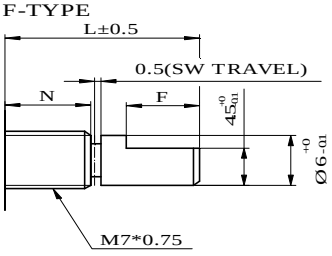
Shaft Type

KC-TYPE



N	5	7
L	15	20
A	7	10

F-TYPE



N	5	7			
L	11	15	17.5	20	25
F	4	5	10	10	12

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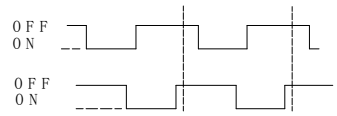
1.Electrical Characteristics

Power Rating	**DC 5V 0.5mA**
Insulation Resistance	**≥100MΩ at 300V DC**
Withstand Voltage	**For 1 minute or more (at 300V AC)**
Sliding Noise	**t1,t3 ≦3mS(Test conditions:360˚/S);t2≦2mS Using the C/R filter circuit is Recommended**
Resolution	**20 Pulses/360° for each phase .**
Phase Difference	**△T=0.25±0.17T**
Output Signal And Rotational Direction	**C.C.W direction** **A Signal** **B Signal** 
Working Temperature	**-10℃ ～ 70℃**
Storage Temperature	**-40℃ ～ 85℃**

2.Mechanical Characteristics

Total Rotational Angle	**360 °**
Rotational Torque	**30~200 gf.cm (Shaft Rotatable at-10℃ ~ +5℃)**
Shaft Push-Pull Strength	**8 Kgf min**
Number and Position Detent	**□20 detents (Step angle:18°±3°) ;□30 detents (Step angle:12°±3°) □0 detents (Step angle:360°)**
Shaft Play in Axial Direction	**0.4mm Max.**
Rotational Life	**30,000 Cycles Min. at a speed of 600 cycles/H**
Resistance To soldering Heat	**Manual Soldering: Less than 300℃ and quicker than 3 seconds. For Automated or Semi-Automated Soldering Equipments: Preheating:Surface temperature of board: 100℃ less . within 1 min . Auto soldering:260±5℃ 3~5 seconds.**