

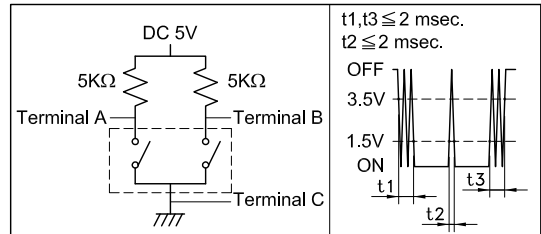
**SPECIFICATIONS**

**• ELECTRICAL CHARACTERISTICS**

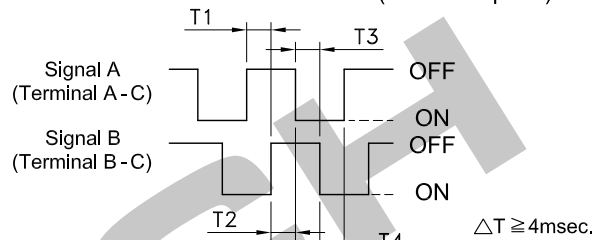
1. Rating (Rotary Switch Portion) : DC 5V 10mA  
(Push Switch Portion) : DC 5V 10mA
2. Contact Resistance : 100mΩ Max.
3. Insulation Resistance : 100MΩ Min.at DC 250V
4. Dielectric Strength : AC 300V for 1 Minute
5. Output Signal Format

| Shaft Rotational Direction | Signal              | Output    |
|----------------------------|---------------------|-----------|
| C.W.                       | A<br>(Terminal A-C) | OFF<br>ON |
|                            | B<br>(Terminal B-C) | OFF<br>ON |
| C.C.W.                     | A<br>(Terminal A-C) | OFF<br>ON |
|                            | B<br>(Terminal B-C) | OFF<br>ON |

6. Resolution : 15 Pulses /360° for Each Phase  
(2 Click 1 Pulse)
7. Chattering : Measurement Shall be Made Under the Condition as Follows.  
1) Shaft Rotational Speed :360° /Sec  
2) Test Circuit :

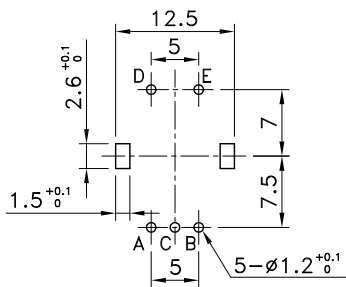


8. Phase Difference : Measurement shall be made under the condition which the shaft is rotated in 360°/Sec (constant speed)



9. Operating Temperature Range : -40~+85°C
10. Storage Temperature Range : -40~+85°C

**P.C.B TERMINAL POSITION**



**SOLDERING CONDITIONS**

|                  | Temperature (°C) | Time (Sec.) |
|------------------|------------------|-------------|
| Auto Soldering   | 260±5            | 5±1         |
| Manual Soldering | 350 Max.         | 3 Max.      |

**• MECHANICAL CHARACTERISTICS**

1. Rotational Angle : 360°(Endless)
2. Position Detents : 30 Detents (12±3° Step)
3. Detent Torque : 100±70 gf • cm
4. Life (Rotary Switch Portion) : 15,000 Cycles  
(Push Switch Portion) : 20,000 Cycles
5. Force : 250±100 gf
6. Stroke : 1.5±0.5 mm

|            |  |                               |  |  |  |                   |  |
|------------|--|-------------------------------|--|--|--|-------------------|--|
| REVISION:  |  | DATE:                         |  | REVISION:  |  | DATE:             |  |
| UNIT:mm    |  | THIRD ANGLE PROJECTION METHOD |  | TOL. UNLESS OTHERWISE STATED:±0.3                                      |  | CODE NO.:HCH-2562 |  |
| ISSUED     |  | CONFIRMED                     |  | PART NO.   |  | EVR011VS-025A     |  |
| John       |  | Elvis                         |  | HCH® HORNG CHIH<br>ISO9001 Certified<br>ISO14001 Certified<br>鴻琪股份有限公司 |  |                   |  |
| 2024.08.27 |  | 2024.08.27                    |  |  |  |                   |  |