

### 插入型絕緣/金屬軸式編碼規則

**RV 09 A X F - 40 E1 - 20 F X - B 5K - X X XXX**  
**1 2 3 4 5 6 7 8 9 10 11 12 13 14 15**

#### 1. Product Line

RV Rotary Potentiometer

#### 2. Model

#### 3. Structure Difference

#### 4. Derivatives

#### 5. RoHS Version

F indicates RoHS Compliance

#### 6. Type of Terminal

| Code | Type of Terminal          |
|------|---------------------------|
| 10   | Solder lug                |
| 20   | PC board (horizontal)     |
| 30   | PC board (vertical);front |
| 40   | PC board (vertical);back  |

#### 7. Type of Bushing

#### 8. Shaft Length

#### 9. Type of Shaft

#### 10. Axis Angle of F-type Shaft

#### 11. Pattern of Resistance Curve

#### 12. Resistance Value

#### 13. Materials & Methods for Manufacturing Shaft & Bushing

#### 14. Number of Click

| Code | Specification      |
|------|--------------------|
| 0    | None               |
| C    | Center Click       |
| D    | 11 Positions click |
| E    | 21 Positions click |
| F    | 41 Positions click |

#### 15. Serial No.

#### 訂單指定事項：

開立訂單時，用途請依下表記載予以指定製品之規格詳細記載並確認之。

#### 項目：

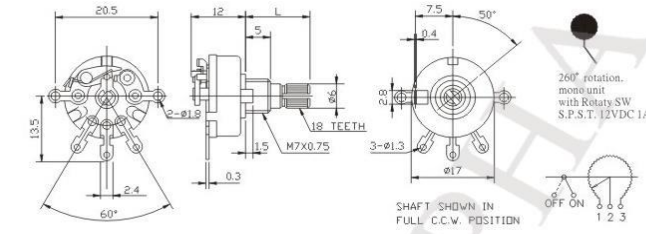
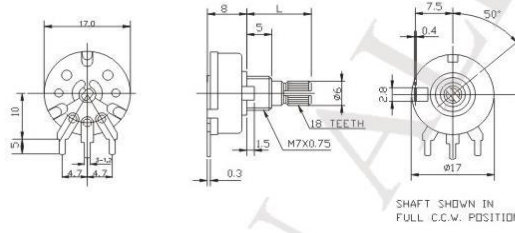
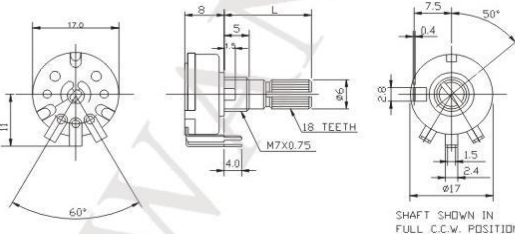
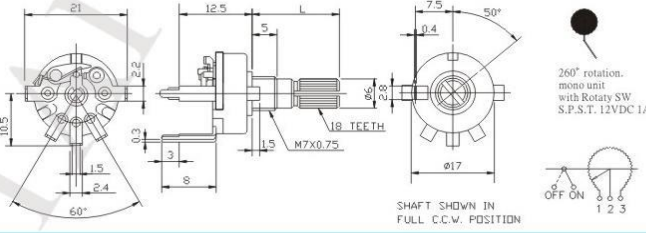
1. 型號。
2. 公稱阻值及線性要求。
3. 軸型及長度。
4. 端子型式。
5. 段點的有無。
6. 中間抽頭的有無。
7. 音量用或其他。
8. 手焊錫或錫爐焊錫。

#### ORDERING INSTRUCTIONS

WHEN PLACING YOUR ORDER, PLEASE SPECIFY THE FOLLOWING ITEMS ACCORDING TO YOUR APPLICATION NEEDS. FOR MORE INFORMATION ABOUT OUR PRODUCTS, PLEASE REFER TO THE SPECIFICATION GIVEN ON THE FOLLOWING PAGES.

#### ITEMS：

1. MODEL.
2. NORMAL RESISTANCE VALUE AND TAPER.
3. SHAFT STYLE AND LENGTH.
4. TERMINAL STYLE.
5. WITH CLICK OR WITHOUT CLICK, CLICK POSITION
6. WITH TAP OR WITHOUT TAP, TAP POSITION.
7. FOR VOLUME CONTROL OR OTHER USE.
8. MANUAL SOLDERING OR DIP SOLDERING.

| Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Outline Drawing                                                                      | Features / Individual Specification |                               |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
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| <b>RV170SF-10</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                                     |                               |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
| <b>RV170F-24</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |                                     |                               |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
| <b>RV170F-30</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                     |                               |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
| <b>RV170SF-43</b><br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                     |                               |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
| <b>SPECIFICATION</b> <table><tr><td>Mechanical</td><td></td><td>Electrical</td><td></td></tr><tr><td>Total Rotation Angle</td><td>260° ±5°</td><td>Rated Wattage</td><td>linear taperB    other tapers</td></tr><tr><td>Rotation Torque</td><td>20-200 gf.cm</td><td></td><td>0.1W            0.05W</td></tr><tr><td>Shaft Stop Strength</td><td>3kgf.cm/Min.</td><td>Rated Voltage</td><td>200V DC        150V DC</td></tr><tr><td>Switch Working angle</td><td>30° ±10°</td><td>Insulation Resistance</td><td>more than 50MΩ at 500V DC</td></tr><tr><td>Switch Working Torque</td><td>70-400gf.cm</td><td>Dielectric Strength</td><td>500V AC, 1 minute</td></tr><tr><td>Switch Circuit</td><td>S.P.S.T.</td><td>Switch Contact Resistance</td><td>Less than 20mΩ</td></tr><tr><td></td><td></td><td>Switch Rating</td><td>12V DC, 1A</td></tr></table> <p>P.S.Potentiometer with Switch(RV170SF) and without Switch(RV170F) are available</p> |                                                                                      |                                     | Mechanical                    |  | Electrical |  | Total Rotation Angle | 260° ±5° | Rated Wattage | linear taperB    other tapers | Rotation Torque | 20-200 gf.cm |  | 0.1W            0.05W | Shaft Stop Strength | 3kgf.cm/Min. | Rated Voltage | 200V DC        150V DC | Switch Working angle | 30° ±10° | Insulation Resistance | more than 50MΩ at 500V DC | Switch Working Torque | 70-400gf.cm | Dielectric Strength | 500V AC, 1 minute | Switch Circuit | S.P.S.T. | Switch Contact Resistance | Less than 20mΩ |  |  | Switch Rating | 12V DC, 1A |
| Mechanical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                      | Electrical                          |                               |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
| Total Rotation Angle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 260° ±5°                                                                             | Rated Wattage                       | linear taperB    other tapers |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
| Rotation Torque                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 20-200 gf.cm                                                                         |                                     | 0.1W            0.05W         |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
| Shaft Stop Strength                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3kgf.cm/Min.                                                                         | Rated Voltage                       | 200V DC        150V DC        |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
| Switch Working angle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30° ±10°                                                                             | Insulation Resistance               | more than 50MΩ at 500V DC     |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
| Switch Working Torque                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 70-400gf.cm                                                                          | Dielectric Strength                 | 500V AC, 1 minute             |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
| Switch Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | S.P.S.T.                                                                             | Switch Contact Resistance           | Less than 20mΩ                |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                      | Switch Rating                       | 12V DC, 1A                    |  |            |  |                      |          |               |                               |                 |              |  |                       |                     |              |               |                        |                      |          |                       |                           |                       |             |                     |                   |                |          |                           |                |  |  |               |            |