

## 阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

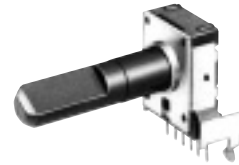
## Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .

### 12 mm Square Two-in-One Rotary Potentiometers (Dual Type)

Japan  
Malaysia

Type: **EVJC/EVJY**



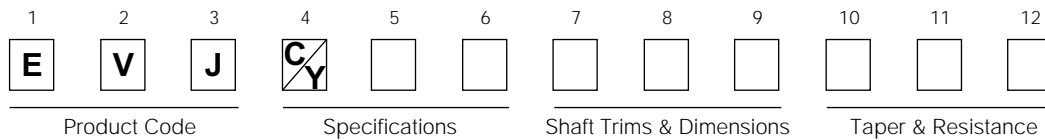
#### ■ Features

- Rectangular-shaped, automatic mounting type
- High tactile feedback
- Available for automatic dip soldering (Flux-proof structure)
- Highly reliable and dust-proof

#### ■ Recommended Applications

- Audio Equipment
- Video Equipment
- Electronic Musical Instruments

#### ■ Explanation of Part Numbers



#### ■ Product Chart

| Installation direction | Style           | Height (H=mm)  | Applications   | Detent         | Type   |
|------------------------|-----------------|----------------|----------------|----------------|--------|
| Horizontal             | Without bushing | 10.0           | Volume control | Without detent | EVJC00 |
|                        |                 |                | Tone control   | Without detent | EVJC30 |
|                        |                 |                |                | Midpoint       | EVJC31 |
|                        |                 | 12.5           | Volume control | Without detent | EVJC90 |
|                        |                 |                | Tone control   | Without detent | EVJC40 |
|                        |                 |                |                | Midpoint       | EVJC41 |
|                        | With bushing    | 10.0           | Volume control | Without detent | EVJC20 |
|                        |                 |                | Tone control   | Without detent | EVJC50 |
|                        |                 |                |                | Midpoint       | EVJC51 |
|                        |                 | 12.5           | Volume control | Without detent | EVJCB0 |
|                        |                 |                | Tone control   | Without detent | EVJCH0 |
|                        |                 |                |                | Midpoint       | EVJCH1 |
| With sleeve            | 10.0            | Volume control | Without detent | EVJC25         |        |
|                        |                 | Tone control   | Without detent | EVJC55         |        |
|                        |                 |                | Midpoint       | EVJC56         |        |
|                        | 12.5            | Volume control | Without detent | EVJCB5         |        |
|                        |                 | Tone control   | Without detent | EVJCH5         |        |
|                        |                 |                | Midpoint       | EVJCH6         |        |
| Vertical               | Without bushing | —              | Volume control | Without detent | EVJY00 |
|                        |                 |                | Tone control   | Without detent | EVJY80 |
|                        |                 |                |                | Midpoint       | EVJY81 |
|                        | With bushing    | —              | Volume control | Without detent | EVJY10 |
|                        |                 |                | Tone control   | Without detent | EVJY90 |
|                        |                 |                |                | Midpoint       | EVJY91 |
|                        | With sleeve     | —              | Volume control | Without detent | EVJY15 |
|                        |                 |                | Tone control   | Without detent | EVJY95 |
|                        |                 |                |                | Midpoint       | EVJY96 |

### ■ Specifications

| Classification   | Item  |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|--|---|---|----------------------------|-------------------------------|--------------------|-------------------|--------------------|-------------|--------------------|-------------|----------------------|-------------------|----------------|-------------|-------------------|-------------------|-------------|-------------|--------------------------|--|--|--|--|--|--|--|--|------------------|-----------|--|-----------|--|-----------|-----------|--|-----------|--------------------|-----------|--|-----------|--|-----------|-----------|--|-----------|---------------------|------------|--|------------|--|-----------|------------|--|-----------|
| Applications   | 12 mm square Two-in-One   |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Mechanical Specifications                                  | Rotation Angle  | 300 °   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | Rotation Torque   | 2 mN·m to 20 mN·m   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | Shaft Stopper Strength  | 0.5 N·m min.  |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | Shaft Pull/Push Strength  | 80 N min.   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | Shaft Inclination<br>(Measured at the top of the shaft)   | 0.35 mm max.  |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | Bushing-Nut Tightening Torque   | 1 N·m max.  |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Electrical Specifications                                  | Nominal Total Resistance  | 5 kΩ to 500 kΩ (Tolerance ±20 %)  |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | Taper   | A, B, C, D, G, BH   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | Power Rating  | 0.05 W (0 °C to 50 °C)<br>For potentiometers operating in ambient temperatures above 50 °C, Rating should be derated in accordance with the figure on the right. <div style="text-align: right;"> <p>Power Derating Curve</p> <table border="1"> <caption>Power Derating Curve Data</caption> <thead> <tr> <th>Ambient Temperature (°C)</th> <th>Rated Load (%)</th> </tr> </thead> <tbody> <tr><td>0</td><td>100</td></tr> <tr><td>20</td><td>100</td></tr> <tr><td>40</td><td>100</td></tr> <tr><td>50</td><td>100</td></tr> <tr><td>60</td><td>66.7</td></tr> <tr><td>70</td><td>33.3</td></tr> </tbody> </table> </div> | Ambient Temperature (°C)   | Rated Load (%)                | 0                  | 100               | 20                 | 100         | 40                 | 100         | 50                   | 100               | 60             | 66.7        | 70                | 33.3              |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | Ambient Temperature (°C)  | Rated Load (%)  |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | 0   | 100   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | 20  | 100   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | 40  | 100   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | 50  | 100   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | 60  | 66.7  |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | 70  | 33.3  |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Residual Resistance  | <table border="1"> <thead> <tr> <th rowspan="2">Type<br/>Taper &amp; Terminal</th> <th colspan="4">For general purpose (tone)</th> <th colspan="4">For volume control</th> </tr> <tr> <th>A, B, D, G<br/>1 to 2</th> <th>B, C, G<br/>2 to 3</th> <th>A, D<br/>2 to 3</th> <th>C<br/>1 to 2</th> <th>A, B, D<br/>1 to 2</th> <th>A, B, D<br/>2 to 3</th> <th>C<br/>1 to 2</th> <th>C<br/>2 to 3</th> </tr> </thead> <tbody> <tr> <td>Nominal Total Resistance</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5 kΩ &lt; R &lt; 50 kΩ</td> <td>25 Ω max.</td> <td></td> <td>25 Ω max.</td> <td></td> <td>15 Ω max.</td> <td>25 Ω max.</td> <td></td> <td>20 Ω max.</td> </tr> <tr> <td>50 kΩ &lt; R &lt; 250 kΩ</td> <td>25 Ω max.</td> <td></td> <td>50 Ω max.</td> <td></td> <td>15 Ω max.</td> <td>50 Ω max.</td> <td></td> <td>20 Ω max.</td> </tr> <tr> <td>250 kΩ &lt; R &lt; 500 kΩ</td> <td>100 Ω max.</td> <td></td> <td>100 Ω max.</td> <td></td> <td>50 Ω max.</td> <td>100 Ω max.</td> <td></td> <td>50 Ω max.</td> </tr> </tbody> </table> | Type<br>Taper & Terminal  | For general purpose (tone) |                               |                    |                   | For volume control |             |                    |             | A, B, D, G<br>1 to 2 | B, C, G<br>2 to 3 | A, D<br>2 to 3 | C<br>1 to 2 | A, B, D<br>1 to 2 | A, B, D<br>2 to 3 | C<br>1 to 2 | C<br>2 to 3 | Nominal Total Resistance |  |  |  |  |  |  |  |  | 5 kΩ < R < 50 kΩ | 25 Ω max. |  | 25 Ω max. |  | 15 Ω max. | 25 Ω max. |  | 20 Ω max. | 50 kΩ < R < 250 kΩ | 25 Ω max. |  | 50 Ω max. |  | 15 Ω max. | 50 Ω max. |  | 20 Ω max. | 250 kΩ < R < 500 kΩ | 100 Ω max. |  | 100 Ω max. |  | 50 Ω max. | 100 Ω max. |  | 50 Ω max. |
| Type<br>Taper & Terminal                                   | For general purpose (tone)  |   |                            |                               | For volume control |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | A, B, D, G<br>1 to 2  | B, C, G<br>2 to 3   | A, D<br>2 to 3             | C<br>1 to 2                   | A, B, D<br>1 to 2  | A, B, D<br>2 to 3 | C<br>1 to 2        | C<br>2 to 3 |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Nominal Total Resistance                                   |   |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| 5 kΩ < R < 50 kΩ   | 25 Ω max.   |   | 25 Ω max.                  |                               | 15 Ω max.          | 25 Ω max.         |                    | 20 Ω max.   |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| 50 kΩ < R < 250 kΩ   | 25 Ω max.   |   | 50 Ω max.                  |                               | 15 Ω max.          | 50 Ω max.         |                    | 20 Ω max.   |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| 250 kΩ < R < 500 kΩ  | 100 Ω max.  |   | 100 Ω max.                 |                               | 50 Ω max.          | 100 Ω max.        |                    | 50 Ω max.   |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Maximum Attenuation<br>(for volume control, taper A, B, D) | <table border="1"> <thead> <tr> <th>Nominal total resistance</th> <th>Max. Attenuation</th> <th rowspan="4">Insertion loss<br/>0.1 dB max.</th> </tr> </thead> <tbody> <tr> <td>5 kΩ &lt; R &lt; 10 kΩ</td> <td>-65 dB max.</td> </tr> <tr> <td>10 kΩ &lt; R &lt; 50 kΩ</td> <td>-72 dB max.</td> </tr> <tr> <td>50 kΩ &lt; R &lt; 100 kΩ</td> <td>-82 dB max.</td> </tr> <tr> <td>100 kΩ &lt; R</td> <td>-92 dB max.</td> <td></td> </tr> </tbody> </table>  | Nominal total resistance  | Max. Attenuation           | Insertion loss<br>0.1 dB max. | 5 kΩ < R < 10 kΩ   | -65 dB max.       | 10 kΩ < R < 50 kΩ  | -72 dB max. | 50 kΩ < R < 100 kΩ | -82 dB max. | 100 kΩ < R           | -92 dB max.       |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Nominal total resistance                                   | Max. Attenuation  | Insertion loss<br>0.1 dB max.   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| 5 kΩ < R < 10 kΩ   | -65 dB max.   |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| 10 kΩ < R < 50 kΩ  | -72 dB max.   |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| 50 kΩ < R < 100 kΩ   | -82 dB max.   |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| 100 kΩ < R   | -92 dB max.   |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Tracking   | For volume control within<br>±3 dB at -40 to 0 dB<br>For Tone control within<br>±3 dB at midpoint   |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Insulation Resistance                                      | 100 MΩ min. at 250 Vdc  |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Dielectric Withstand Voltage                               | 300 Vac for 1 minute  |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Noise Level  | 47 mV max.<br>Apply 20 V (When Voltage Rating < 20 V, use the rated voltage.)<br>Rotate shaft at 30 r/min.  |   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Endurance  | Operating Life *1   | 15000 cycles min.   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Minimum Quantity/Packing Unit *2                           | 80 pcs. (Tray Pack)   | L ≤ 20.0 mm   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | 60 pcs. (Tray Pack)   | L > 20.0 mm   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
| Packing Unit *2  | 800 pcs.  | L ≤ 20.0 mm   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |
|  | 600 pcs.  | L > 20.0 mm   |                            |                               |                    |                   |                    |             |                    |             |                      |                   |                |             |                   |                   |             |             |                          |  |  |  |  |  |  |  |  |                  |           |  |           |  |           |           |  |           |                    |           |  |           |  |           |           |  |           |                     |            |  |            |  |           |            |  |           |

\*1 : No direct current should be applied.

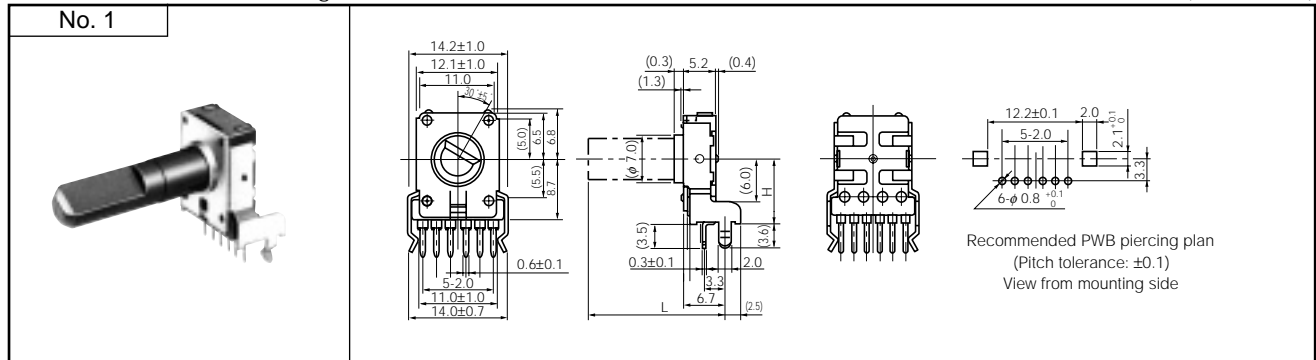
\*2 : With bushing : L=L+7.5 mm

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ Dimensions in mm (not to scale)

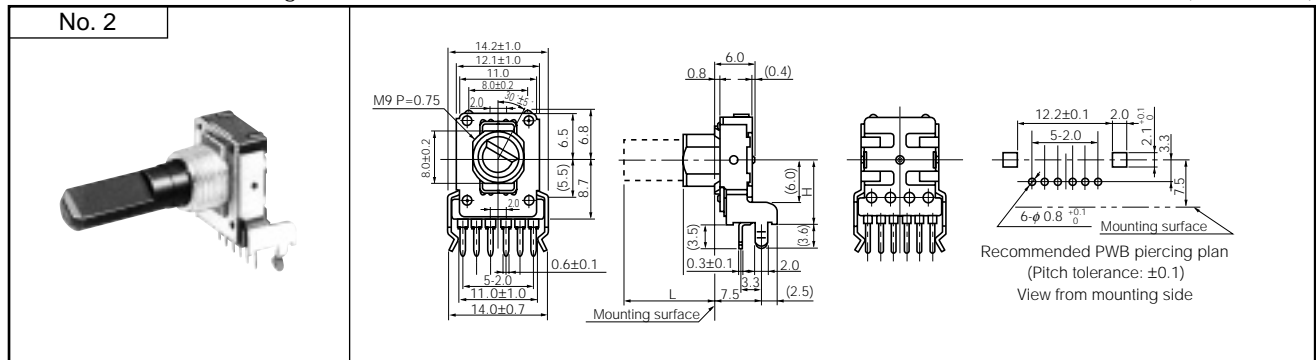
for Volume : EVJC00, EVJC90  
 for Tone : EVJC30, EVJC40 (without detent)  
 EVJC31, EVJC41 (with detent)

● Horizontal, without Bushing



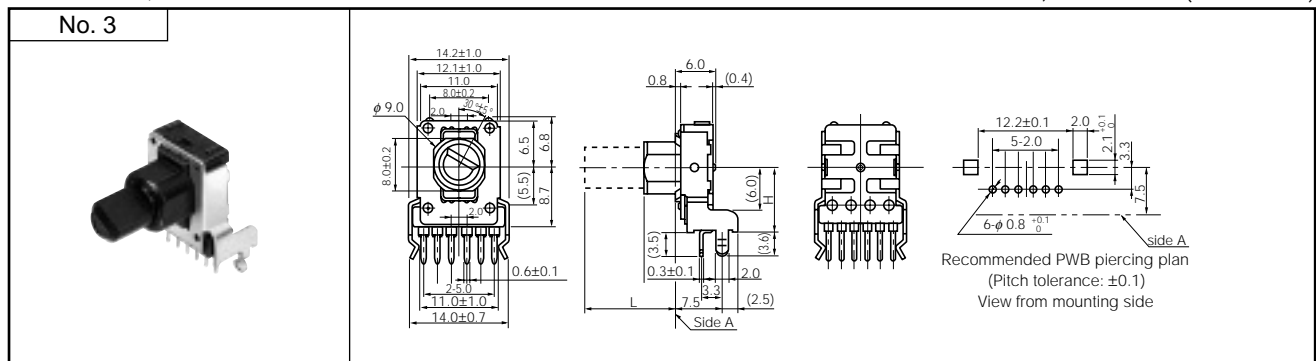
for Volume : EVJC20, EVJCB0  
 for Tone : EVJC50, EVJCH0 (without detent)  
 EVJC51, EVJCH1 (with detent)

● Horizontal, with Bushing



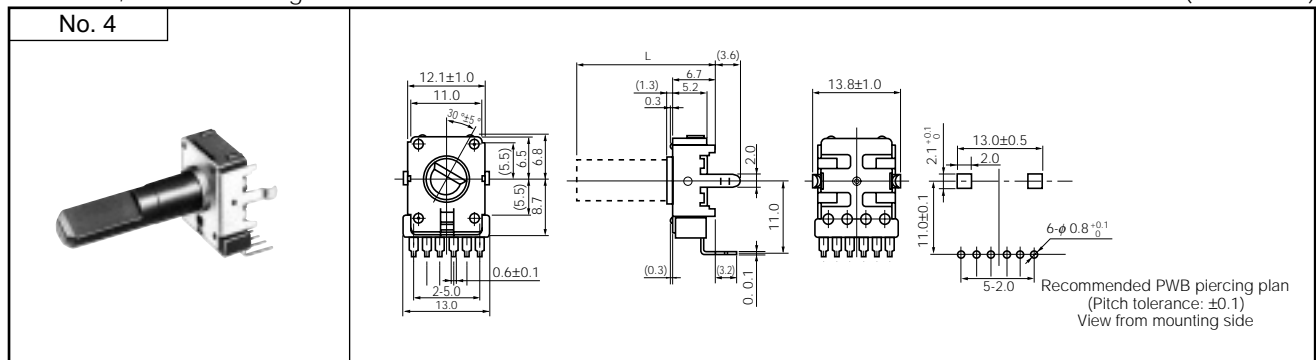
for Volume : EVJC25, EVJCB5  
 for Tone : EVJC55, EVJCH5 (without detent)  
 EVJC56, EVJCH6 (with detent)

● Horizontal, with Sleeve



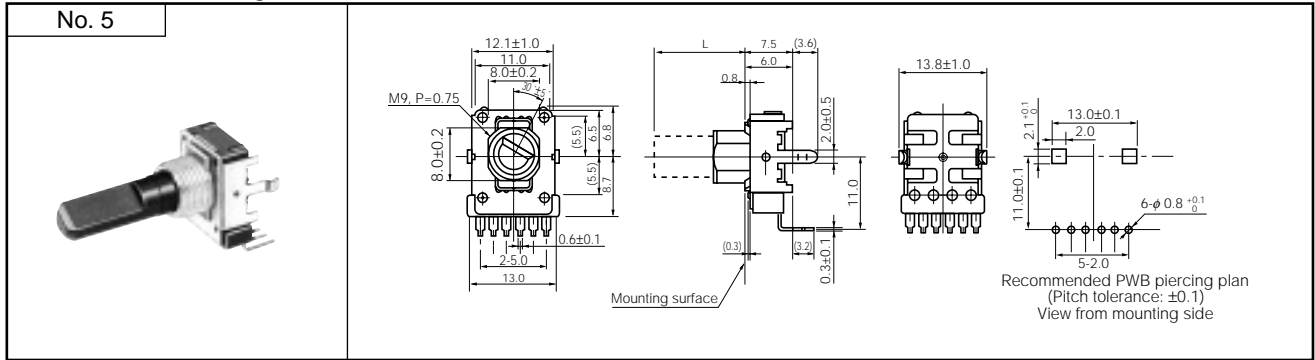
for Volume : EVJY00  
 for Tone : EVJY80 (without detent)  
 EVJY81 (with detent)

● Vertical, without Bushing



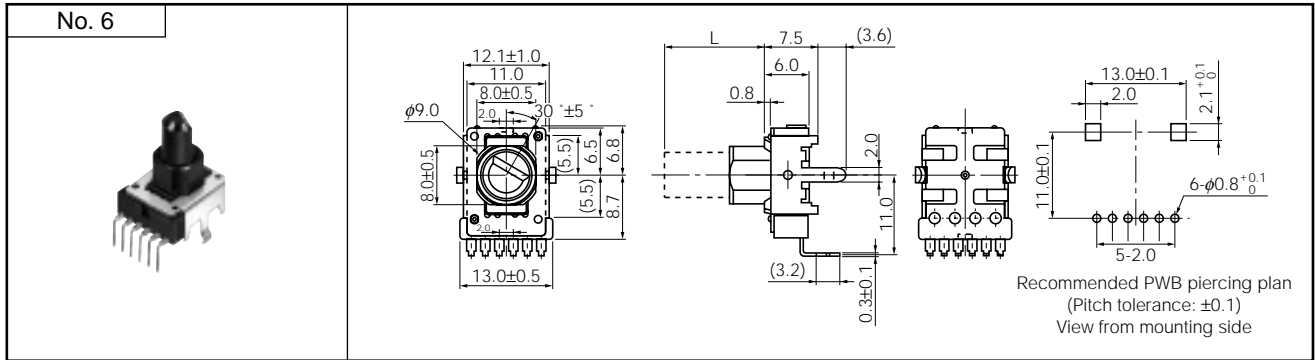
for Volume : EVJY10  
 for Tone : EVJY90 (without detent)  
 EVJY91 (with detent)

● Vertical, with Bushing .....



for Volume : EVJY15  
 for Tone : EVJY95 (without detent)  
 EVJY96 (with detent)

● Vertical, with Sleeve .....



### ■ Circuit Diagram and PWB Piercing Plan

|  | Volume control without tap | With tap | Tone control |
|--|----------------------------|----------|--------------|
| Relation of mounting holes and terminals |                            |          |              |

Notes:

1. I=Resistor 1, II=Resistor 2
2. Relation of mounting holes and terminals. Refer to each piercing plan for dimensions.
3. View from mounted part side.

### ■ Shaft Trims and Dimensions in mm

| Dimensions | Trim Position |
|------------|---------------|
|            |               |

Note: The drawing at full CCW position

| Style                       |            |  | Dimensions in mm |       |            |                 |
|-----------------------------|------------|--|------------------|-------|------------|-----------------|
|                             |            |  | Shaft            |       |            | Bushing, Sleeve |
|                             |            |  | L                | $l_1$ | Corner cut | $l_2$           |
| without Bushing             | Horizontal |  | 15.0             | 4.5   | C0.5       | —               |
|                             |            |  | 20.0             | 7.0   | C1.0       | —               |
|                             |            |  | 25.0             | 12.0  | C1.0       | —               |
|                             |            |  | 30.0             | 12.0  | C1.0       | —               |
|                             | Vertical   |  | 15.0             | 4.5   | C0.5       | —               |
|                             |            |  | 20.0             | 7.0   | C1.0       | —               |
|                             |            |  | 25.0             | 12.0  | C1.0       | —               |
|                             |            |  | 30.0             | 12.0  | C1.0       | —               |
| with Bushing or with Sleeve | Horizontal |  | 12.5             | 7.0   | C1.0       | 5.0             |
|                             |            |  | 15.0             | 7.0   | C1.0       | 5.0             |
|                             |            |  | 17.5             | 12.0  | C1.0       | 5.0             |
|                             |            |  | 20.0             | 12.0  | C1.0       | 5.0, 7.0        |
|                             |            |  | 22.5             | 12.0  | C1.0       | 5.0, 7.0        |
|                             | Vertical   |  | 12.5             | 7.0   | C1.0       | 5.0             |
|                             |            |  | 15.0             | 7.0   | C1.0       | 5.0             |
|                             |            |  | 17.5             | 12.0  | C1.0       | 5.0             |
|                             |            |  | 20.0             | 12.0  | C1.0       | 5.0, 7.0        |
|                             |            |  | 22.5             | 12.0  | C1.0       | 5.0, 7.0        |

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.