

Solderable with auto dipping and available in a wide variety



## ■ Typical Specifications



| Items                       | Specifications   |
|-----------------------------|------------------|
| Total resistance tolerance  | ±20%             |
| Maximum operating voltage   | Please see P.355 |
| Operating force             | 0.3 to 2.5N      |
| Operating life              | 15,000 cycles    |
| Operating temperature range | -25°C to +70°C   |

## ■ Product Line

## Insulated lever

| Number of resistor elements | Travel (mm) | Lever types | Length of lever L <sub>1</sub> (mm) | Total resistance (k Ω) | Resistance taper | Detent  | Mounting plate | Minimum order unit (pcs.) |        | Products No. | Drawing No. |
|-----------------------------|-------------|-------------|-------------------------------------|------------------------|------------------|---------|----------------|---------------------------|--------|--------------|-------------|
|                             |             |             |                                     |                        |                  |         |                | Japan                     | Export |              |             |
| Single-unit                 | 15          | J-1         | 5                                   | 10                     | 1B               | Without | Without        | 700                       | 2,800  | RS151111J026 | 1           |
|                             | 20          |             | RS201111J011                        |                        |                  |         |                |                           |        | 2            |             |
|                             | 30          | A           | 10                                  |                        |                  |         |                | 600                       | 2,400  | RS301111A01G | 3           |
|                             | 45          | B           |                                     |                        |                  |         |                | 1,300                     | 1,300  | RS451111B010 | 4           |

## Metal lever

| Number of resistor elements | Travel (mm) | Lever types | Length of lever (L <sub>1</sub> ) (mm) | Total resistance (k Ω) | Resistance taper | Detent  | Mounting plate | Minimum order unit (pcs.) |        | Products No.        | Drawing No. |
|-----------------------------|-------------|-------------|----------------------------------------|------------------------|------------------|---------|----------------|---------------------------|--------|---------------------|-------------|
|                             |             |             |                                        |                        |                  |         |                | Japan                     | Export |                     |             |
| Single-unit                 | 15          | 9-1         | 10                                     | 10                     | 1B               | Without | With           | 700                       | 2,800  | <b>RS15111A9A03</b> | 5           |
|                             | 20          |             |                                        |                        |                  |         |                |                           |        | <b>RS20111A9A03</b> | 6           |
|                             | 30          |             |                                        |                        |                  |         |                | 600                       | 2,400  | <b>RS30111A9012</b> | 7           |
|                             | 45          |             |                                        |                        |                  |         |                | 1,300                     | 1,300  | <b>RS45111A900F</b> | 8           |
|                             | 60          |             |                                        |                        |                  |         |                | 900                       | 900    | <b>RS6011YA9A07</b> | 9           |
| Dual-unit                   | 30          | 4           | 20                                     | 10                     | 1B               | Without | With           | 600                       | 2,400  | <b>RS30112A900S</b> | 10          |
|                             | 45          |             |                                        |                        |                  |         |                | 1,150                     | 1,150  | <b>RS45112A400G</b> | 11          |
|                             | 60          | 6           | 15                                     |                        |                  |         |                | 900                       | 900    | <b>RS60112A6A0C</b> | 12          |

## Note

Other varieties are also available. Refer to "Other Specifications" (P.355, 356).

## ■ Packing Specifications

## Tray

| Product No.                  | Number of resistor elements | Number of packages (pcs.) |                        | Export package measurements (mm) |
|------------------------------|-----------------------------|---------------------------|------------------------|----------------------------------|
|                              |                             | 1 case /Japan             | 1 case /export packing |                                  |
| <b>RS151</b><br><b>RS201</b> | Single-unit                 | 700                       | 2,800                  | 518×378×422                      |
| <b>RS301</b>                 | Single-unit/<br>Dual-unit   | 600                       | 2,400                  |                                  |
| <b>RS451</b>                 | Single-unit                 | 1,300                     | 1,300                  | 529×373×273                      |
|                              | Dual-unit                   | 1,150                     | 1,150                  |                                  |
| <b>RS601</b>                 | Single-unit/<br>Dual-unit   | 900                       | 900                    |                                  |

Refer to P.355 for other specifications.  
 Refer to P.356 for configuration details.  
 Refer to P.357 for ordering products not listed.  
 Refer to P.383 for soldering conditions.

## Dimensions

Unit:mm

| No. | Style | PC board mounting hole dimensions<br>(Viewed from mounting side) |
|-----|-------|------------------------------------------------------------------|
| 1   |       |                                                                  |
| 2   |       |                                                                  |
| 3   |       |                                                                  |
| 4   |       |                                                                  |
| 5   |       |                                                                  |

The length of Lever (L<sub>1</sub>) can be customized. Refer to P.356 for details.

# Dimensions

Unit:mm

| No. | Style                                                                                                                                                                                                                                                                                                                                                            | PC board mounting hole dimensions<br>(Viewed from mounting side)                                                                                                  |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6   | <p>Top view: 35mm total width, 31mm mounting hole spacing, 2-M2 holes. Side view: 8mm height, 20mm travel, 6.6mm mounting surface offset, 4-R0.3 max. radius, 5mm lever height, 4mm lever width, 10mm lever thickness, 0.4mm base offset, 3.5mm base height, 7mm base width. Front view: 2mm lever tip width, 1.2mm lever base width, 1mm lever thickness.</p>   | <p>2-ø2 hole, 25mm hole spacing, 12.5mm hole offset, 3-ø1.5 hole, 3.75mm hole offset, 7.5mm hole offset, 5mm hole offset.</p>                                     |
| 7   | <p>Top view: 45mm total width, 41mm mounting hole spacing, 2-M2 holes. Side view: 8mm height, 30mm travel, 6.6mm mounting surface offset, 4-R0.3 max. radius, 5mm lever height, 4mm lever width, 10mm lever thickness, 0.4mm base offset, 3.5mm base height, 7mm base width. Front view: 2mm lever tip width, 1.2mm lever base width, 1mm lever thickness.</p>   | <p>2-ø2 hole, 35mm hole spacing, 22.5mm hole offset, 3-ø1.5 hole, 3.75mm hole offset, 12.5mm hole offset, 10mm hole offset.</p>                                   |
| 8   | <p>Top view: 60mm total width, 56mm mounting hole spacing, 2-M2 holes. Side view: 8mm height, 45mm travel, 6.6mm mounting surface offset, 4-R0.3 max. radius, 5mm lever height, 4mm lever width, 10mm lever thickness, 0.4mm base offset, 3.5mm base height, 7mm base width. Front view: 2mm lever tip width, 1.2mm lever base width, 1mm lever thickness.</p>   | <p>2-ø2 hole, 50mm hole spacing, 32.5mm hole offset, 3-ø1.5 hole, 3.75mm hole offset, 17.5mm hole offset, 15mm hole offset.</p>                                   |
| 9   | <p>Top view: 75mm total width, 71mm mounting hole spacing, 2-M2 holes. Side view: 9mm height, 60mm travel, 6.6mm mounting surface offset, 4-R0.3 Max. radius, 5mm lever height, 4mm lever width, 10mm lever thickness, 0.4mm base offset, 3.5mm base height, 7mm base width. Front view: 2mm lever tip width, 1.2mm lever base width, 0.6mm lever thickness.</p> | <p>2-ø2 hole, 70mm hole spacing, 47.5mm hole offset, 6-ø1.1 hole, 7.5mm hole offset, 2.5mm hole offset, 25mm hole offset, 22.5mm hole offset, L.Lug terminal.</p> |
| 10  | <p>Top view: 45mm total width, 41mm mounting hole spacing, 2-M2 holes. Side view: 9mm height, 30mm travel, 6.6mm mounting surface offset, 4-R0.3 Max. radius, 5mm lever height, 4mm lever width, 10mm lever thickness, 0.4mm base offset, 3.5mm base height, 7mm base width. Front view: 2mm lever tip width, 1.2mm lever base width, 0.6mm lever thickness.</p> | <p>2-ø2 hole, 40mm hole spacing, 22.5mm hole offset, 6-ø1.1 hole, 7.5mm hole offset, 2.5mm hole offset, 12.5mm hole offset, 10mm hole offset.</p>                 |

The length of Lever (L<sub>1</sub>) can be customized. Refer to P.356 for details.

## Dimensions

Unit:mm

| No. | Style | PC board mounting hole dimensions<br>(Viewed from mounting side) |
|-----|-------|------------------------------------------------------------------|
| 11  |       |                                                                  |
| 12  |       |                                                                  |

The length of Lever ( $L_1$ ) can be customized. Refer to P.356 for details.

# Super Slide™ (Standard Type) / Other Specifications

In addition to the Product Line, we accommodate the following specifications. Combinations not included in the Product Line are treated as semi-standard products.

## Travel Distance Variety

| Travel (mm) | 15 | 20 | 30 | 45 | 60 |
|-------------|----|----|----|----|----|
|-------------|----|----|----|----|----|

## Total Resistance Variety

| Total resistance (k $\Omega$ ) | 10 | 20 | 50 | 100 | 200 |
|--------------------------------|----|----|----|-----|-----|
|--------------------------------|----|----|----|-----|-----|

## Resistance Taper

| Resistance taper | 1B | 3B | 4B | 10A | 15A |
|------------------|----|----|----|-----|-----|
|------------------|----|----|----|-----|-----|

## Note

DC (10V DC) is also available. (Tapped types are not available)

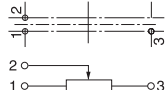
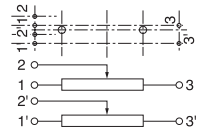
## Rated Power

| Travel | Single-unit |              | Dual-unit |              |
|--------|-------------|--------------|-----------|--------------|
|        | 1B          | 4B, 10A, 15A | 1B, 3B    | 4B, 10A, 15A |
| 15mm   | 0.05W       | 0.025W       | 0.025W    | 0.012W       |
| 20mm   | 0.1W        | 0.05W        | 0.05W     | 0.025W       |
| 30mm   | 0.2W        | 0.1W         | 0.1W      | 0.05W        |
| 45mm   | 0.25W       | 0.125W       | 0.125W    | 0.06W        |
| 60mm   | 0.2W        | 0.1W         | 0.2W      | 0.1W         |

## Maximum Operating Voltage

| Maximum operating voltage |                 |                 |                 |                |
|---------------------------|-----------------|-----------------|-----------------|----------------|
| Travel                    | Single-unit     |                 | Dual-unit       |                |
|                           | 1B              | 4B, 10A, 15A    | 1B, 3B          | 4B, 10A, 15A   |
| 15mm                      | 100V AC, 10V DC | 50V AC, 10V DC  | 100V AC, 10V DC | 50V AC, 10V DC |
| 20mm                      | 200V AC, 10V DC | 150V AC, 10V DC |                 |                |
| 30mm                      |                 |                 |                 |                |
| 45mm                      |                 |                 |                 |                |
| 60mm                      |                 |                 |                 |                |

## Terminal Layout / Circuit Diagram (Viewed from Mounting Side)

| Single-unit                                                                         | Single-unit (with lug terminal) (RS6011Y only)                                                              | Dual-unit                                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  <p>L : Lug terminal</p> |  |

## Note

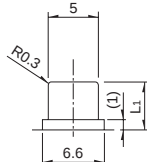
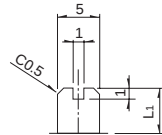
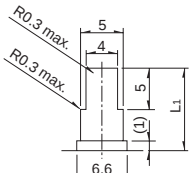
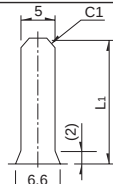
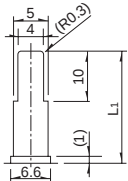
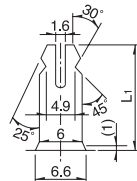
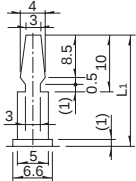
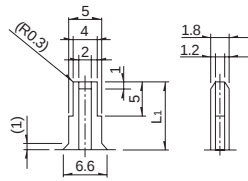
Marked are specifications recommended by Alps Alpine.

# Super Slide™ (Standard Type) / Other Specifications

In addition to the Product Line, we accommodate the following specifications. Combinations not included in the Product Line are treated as semi-standard products.

## Lever Types

Unit:mm

| Metal lever    |                                                                                                                                                                                        | Insulated lever |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----|----|
| Code           | Dimensions                                                                                                                                                                             | Code            | Dimensions |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 9-2            |  <p>t=1.2</p> <table><tr><td>L<sub>1</sub></td></tr><tr><td>5</td></tr></table>                       | L <sub>1</sub>  | 5          | J-1 |  <p>t=2</p> <table><tr><td>L<sub>1</sub></td></tr><tr><td>5</td></tr></table>                      | L <sub>1</sub>                                                                                                                                                                         | 5              |    |    |
| L <sub>1</sub> |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 5              |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| L <sub>1</sub> |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 5              |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 9-1            |  <p>t=1.2</p> <table><tr><td>L<sub>1</sub></td></tr><tr><td>10</td></tr></table>                      | L <sub>1</sub>  | 10         | A   |  <p>t=2</p> <table><tr><td>L<sub>1</sub></td></tr><tr><td>10</td></tr><tr><td>15</td></tr></table> | L <sub>1</sub>                                                                                                                                                                         | 10             | 15 |    |
| L <sub>1</sub> |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 10             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| L <sub>1</sub> |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 10             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 15             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 6              |  <p>t=1.2</p> <table><tr><td>L<sub>1</sub></td></tr><tr><td>15</td></tr><tr><td>20</td></tr></table>  | L <sub>1</sub>  | 15         | 20  | B                                                                                                                                                                                     |  <p>t=2</p> <table><tr><td>L<sub>1</sub></td></tr><tr><td>10</td></tr><tr><td>15</td></tr></table>  | L <sub>1</sub> | 10 | 15 |
| L <sub>1</sub> |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 15             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 20             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| L <sub>1</sub> |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 10             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 15             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 4              |  <p>t=1.2</p> <table><tr><td>L<sub>1</sub></td></tr><tr><td>15</td></tr><tr><td>20</td></tr></table> | L <sub>1</sub>  | 15         | 20  | C                                                                                                                                                                                     |  <p>t=2</p> <table><tr><td>L<sub>1</sub></td></tr><tr><td>10</td></tr><tr><td>15</td></tr></table> | L <sub>1</sub> | 10 | 15 |
| L <sub>1</sub> |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 15             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 20             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| L <sub>1</sub> |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 10             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |
| 15             |                                                                                                                                                                                        |                 |            |     |                                                                                                                                                                                       |                                                                                                                                                                                        |                |    |    |

## Corresponding Specifications

|            |                                           |
|------------|-------------------------------------------|
| Dust cover | Available                                 |
| Tap        | Available<br>(Only the center-positioned) |

### Note

Marked are specifications recommended by Alps Alpine.

# Super Slide™ (Standard Type) / Ordering Products Not Listed

In addition to the Product Line, we accommodate the following specifications. Combinations not included in the Product Line are treated as semi-standard products. Please refer to the notation example below.

## Sample Part Number

**R S 6 0 1 1 Y** — **J 1 0 5** — **C 0** — **P 0** — **B 1 0 3**

Travel

| Code | Travel (mm) | Code | Travel (mm) |
|------|-------------|------|-------------|
| 15   | 15          | 45   | 45          |
| 20   | 20          | 60   | 60          |
| 30   | 30          | —    | —           |

Number of resistor elements

| Code                           | Number of resistor elements |
|--------------------------------|-----------------------------|
| 1 (Enter "Y" for 60 mm travel) | Single                      |
| 2                              | Dual                        |

Lever type / Length of lever (mm)

Insulated lever

| Code | Configuration | Length |
|------|---------------|--------|
| J1   | J-1           | 5      |
| OA   | A             | 10     |
|      |               | 15     |
| OC   | C             | 10     |
|      |               | 15     |
| OB   | B             | 10     |
|      |               | 15     |

Metal lever

| Code | Configuration | Length |
|------|---------------|--------|
| 91   | 9-1           | 10     |
| 92   | 9-2           | 5      |
| 04   | 4             | 15     |
|      |               | 20     |
| 06   | 6             | 15     |
|      |               | 20     |

Length of operation unit

If the length is less than 10 mm, add a "0" before the number.  
(e.x., 5 mm length= "05" )

Detent

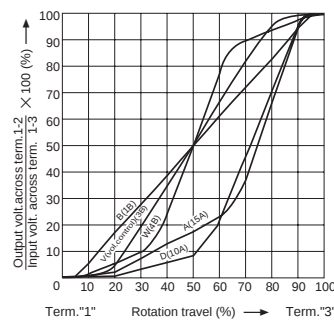
| Code | Detent  |
|------|---------|
| C0   | Without |
| C1   | Center  |

Mounting plate

| Code | Mounting plate |
|------|----------------|
| P0   | Without        |
| P1   | With           |

Resistance taper

| Code | Resistance taper |
|------|------------------|
| A    | 15A              |
| B    | 1B               |
| D    | 10A              |
| W    | 4B               |
| V    | 3B               |



Total resistance

| Code | Total resistance (kΩ) | Code | Total resistance (kΩ) |
|------|-----------------------|------|-----------------------|
| 103  | 10                    | 104  | 100                   |
| 203  | 20                    | 204  | 200                   |
| 503  | 50                    | —    | —                     |

## Note

Marked are specifications recommended by Alps Alpine.

# Slide Potentiometers

## List of Varieties

| Type                         |                                    | Standard Type                                                                     |                                                                                   |                                                                                     | Master Type                                                                         |
|------------------------------|------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Series                       |                                    | Super Slide™                                                                      | Slim Slide™ (Slim 4)                                                              | Compact Reflow Type                                                                 | K Fader                                                                             |
|                              |                                    | RS □□ 1                                                                           | RS □□ H                                                                           | RS08U                                                                               | RS □□ K                                                                             |
|                              |                                    | Single-unit/Dual-unit                                                             | Single-unit/Dual-unit                                                             | Single-unit                                                                         | Single-unit/Dual-unit                                                               |
| Photo                        |                                    |  |  |   |  |
| Travel (mm)                  |                                    | 15, 20, 30, 45, 60                                                                | 15, 20, 30                                                                        | 8                                                                                   | 60, 100                                                                             |
| Direction of lever           |                                    | Vertical                                                                          |                                                                                   | Horizontal                                                                          | Vertical                                                                            |
| Lever material               |                                    | Metal / Resin                                                                     | Resin                                                                             | Resin                                                                               | Metal                                                                               |
| Operating temperature range  |                                    | -25°C to +70°C                                                                    |                                                                                   | -10°C to +70°C                                                                      | -10°C to +60°C                                                                      |
| Operating life               |                                    | 15,000 cycles                                                                     | 10,000 cycles                                                                     |                                                                                     | 100,000 cycles (Standard)<br>300,000 cycles (CP)                                    |
| Available for automotive use |                                    | ○                                                                                 | —                                                                                 | —                                                                                   | —                                                                                   |
| Life cycle (availability)    |                                    |  |  |  |  |
| Electrical performance       | Total resistance (k Ω)             | 10, 20, 50, 100, 200                                                              | 5, 10, 20, 50, 100, 200, 250                                                      | 10                                                                                  | 10, 50, 100 (Standard)<br>10 (CP)                                                   |
|                              | Resistance taper                   | 10A, 15A, 1B, 3B, 4B                                                              | 15A, 1B, 3B                                                                       | 1B                                                                                  | 15A, 1B                                                                             |
|                              | Rated Power                        | Please see P.355                                                                  | Please see P.362                                                                  | 0.025W                                                                              | 0.25W                                                                               |
|                              | Insulation resistance              | 100MΩ min. 250V DC                                                                | Dual-unit: 100MΩ min. 250V DC                                                     | 100MΩ min. 100V DC                                                                  | 100MΩ min. 250V DC                                                                  |
|                              | Voltage proof                      | 300V AC for 1 minute                                                              | Dual-unit: 300V AC for 1 minute                                                   | 100V AC for 1 minute                                                                | 250V AC for 1 minute                                                                |
|                              | Center-taps                        | Without / With                                                                    |                                                                                   | Without                                                                             |                                                                                     |
| Mechanical performance       | Operating force                    | 0.3 to 2.5N                                                                       | 0.6 <sup>+0.5</sup> <sub>-0.4</sub> N                                             | 0.17±0.15N                                                                          | Please see P.368                                                                    |
|                              | Center detent                      | Without / With                                                                    |                                                                                   | Without                                                                             |                                                                                     |
|                              | Stopper strength                   | 50N                                                                               | 30N                                                                               | 5N                                                                                  | 100N                                                                                |
|                              | Lever push-pull strength           | 50N                                                                               | 30N                                                                               | 5N                                                                                  | 100N                                                                                |
|                              | Lever wobble (mm)<br>※ Both sides  | $\frac{2(2 \times L)}{20}$                                                        | 1.6 max.                                                                          | —                                                                                   | $\frac{2(2 \times L)}{25}$                                                          |
|                              | Detent slip-out force              | Operating force + (0.2 to 2N)                                                     | Operating force + 0.3 <sup>+0.5</sup> <sub>-0.25</sub> N                          | —                                                                                   | —                                                                                   |
|                              | Lever deviation (mm)<br>※ One side | 0.5 max.                                                                          | —                                                                                 | —                                                                                   | 0.5 max.                                                                            |
| Terminal style               |                                    | Insertion                                                                         |                                                                                   | Reflow                                                                              | Lead (Standard)<br>Connector (CP)                                                   |
| Page                         |                                    | 351                                                                               | 358                                                                               | 364                                                                                 | 365                                                                                 |

|                                             |     |
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| Potentiometer Cautions                      | 384 |
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### Notes

- "L" in the "Lever Wobble" column of the above table indicates the length of lever.
- RS □□  
 □□ indicates travel.
- Indicates applicability to some products in the series.

## Reference for Manual Soldering

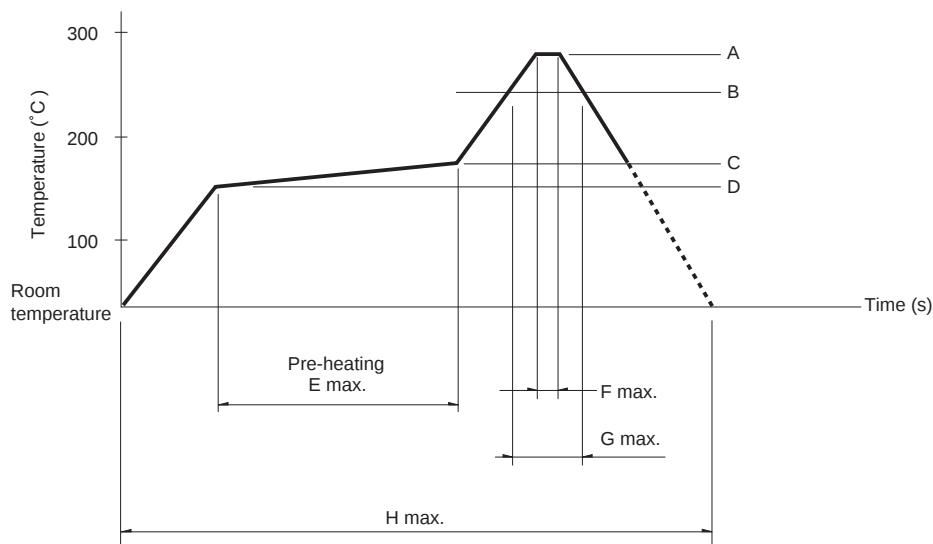
| Series                                                                                                  | Tip temperature | Duration of Soldering time | No. of solders |
|---------------------------------------------------------------------------------------------------------|-----------------|----------------------------|----------------|
| RS□□1, RS□□H, RS08U,<br>RS□□K (Standard),<br>RS□□N, RS6011□P,<br>RS□□N1□M,<br>RSA0K1□V (Motor terminal) | 350°C max.      | 3s max.                    | 1 time         |

## Reference for Dip Soldering

| Series                                        | Preheating                    |              | Dip soldering         |                | Number of soldering |
|-----------------------------------------------|-------------------------------|--------------|-----------------------|----------------|---------------------|
|                                               | Soldering surface temperature | Heating time | Soldering temperature | Soldering time |                     |
| RS□□1, RS□□H,<br>RS□□N, RS6011□P,<br>RS□□N1□M | 100°C max.                    | 1 min. max.  | 260°C                 | 5s max.        | 1 time              |

## Example of Reflow Soldering Condition

Temperature profile



| Series | A     | B     | C     | D     | E      | F  | G   | H      | No. of reflows |
|--------|-------|-------|-------|-------|--------|----|-----|--------|----------------|
| RS08U  | 250°C | 200°C | 150°C | 150°C | 2 min. | 3s | 40s | 4 min. | 1 time         |

## Notes

1. When using an infrared reflow oven, solder may sometimes not be applied. Be sure to use a hot air reflow oven or a type that uses infrared rays in combination with hot air.
2. The temperatures given above are the maximum temperatures at the terminals of the products when employing a hot air reflow method. The temperature of the PC board and the surface temperature of the products may vary greatly depending on the PC board material, its size and thickness. Ensure that the surface temperature of the products does not rise to 250°C or greater.
3. Conditions vary to some extent depending on the type of reflow bath used. Be sure to give due consideration to this prior to use.