

# Slide Potentiometer

## Model PS100



### Features:

- Single / dual gang
- 100 mm travel
- 100,000 cycle life
- Metal shaft
- RoHS compliant



### Model Styles Available

|                            |          |
|----------------------------|----------|
| Single Gang , 100mm Travel | PS100 -1 |
| Dual Gang , 100mm Travel   | PS100 -2 |

### Electrical

|                                |   |
|--------------------------------|---|
| Resistance Range, Ohms         | 500 -1M                                       |
| Standard Resistance Tolerance  | ± 20%   |
| Resistance Tapers              | A,B,C   |
| Residual Resistance, Max.      | Term. 1-2 : 10 ohms, Term 2-3: 30 ohms        |
| Input Voltage, Maximum         | 200Vdc  |
| Power rating, Watts            | Linear B taper: 0.25W<br>Other tapers: 0.125W |
| Dielectric Strength            | 300Vac, 1 minute                              |
| Insulation Resistance, Minimum | 100M ohms at 250Vdc/ 1 minute                 |
| Sliding Noise                  | Less than 100mV                               |
| Gang Error                     | ±3dB (-40dB to 0dB)                           |

### Mechanical

|                               |             |
|-------------------------------|-------------|
| Static Stop Strength, Minimum | 10.0 Kgf-cm |
| Operating Force               | 30gf max.   |

### Durability

|              |                |
|--------------|----------------|
| Sliding Life | 100,000 cycles |
|--------------|----------------|

#### General Note

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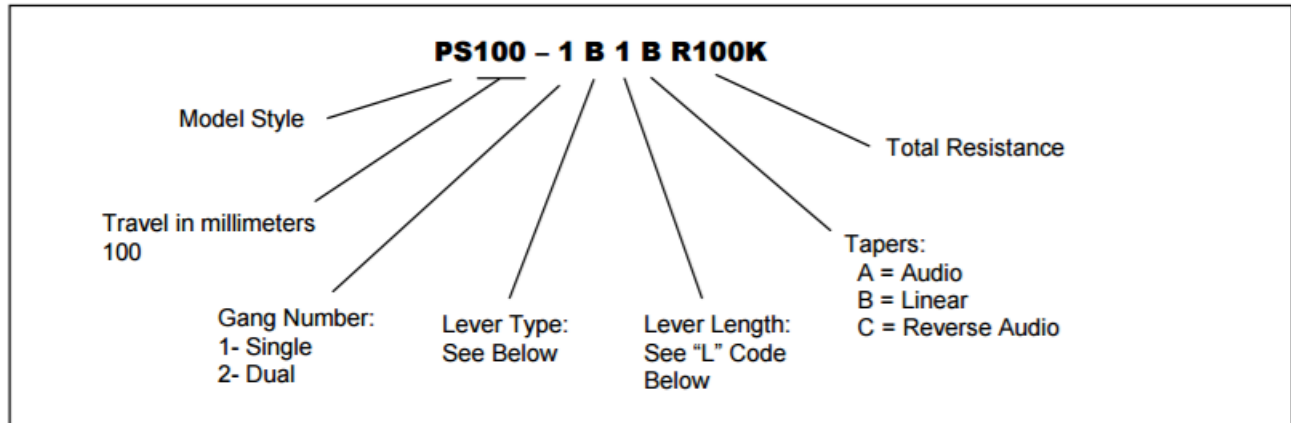
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### Ordering



### Standard Resistance Values, ohms

|     |    |    |    |     |     |     |      |      |      |       |
|-----|----|----|----|-----|-----|-----|------|------|------|-------|
| 500 | 1K | 2K | 5K | 10K | 20K | 50K | 100K | 200K | 500K | 1 MEG |
|-----|----|----|----|-----|-----|-----|------|------|------|-------|

### Metal Lever Types



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### Outline Drawings

#### PS100-1 Single Gang



#### PS100-2 Dual Gang



### Circuit Diagram

#### PS100-1 Single Gang



#### PS100-2 Dual Gang



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