



**24mm Metal Shaft Rotary Potentiometer****Electrical Characteristics**

|   |  |             |             |             |             |
|---|--|-------------|-------------|-------------|-------------|
| <b>All Resistance</b>                   | 1K ~ 1MΩ   |             |             |             |             |
| <b>All Resistance Tolerance</b>         | ± 20% (more than 1MΩ ± 30%)                                      |             |             |             |             |
| <b>Resistance Taper</b>                 | A. B. C. D. W. Taper   |             |             |             |             |
| <b>Resistance Taper Characteristics</b> | <b>A50%</b>  | <b>B50%</b> | <b>C50%</b> | <b>D50%</b> | <b>W50%</b> |
|   | 15-25%   | 40-60%      | 75-85%      | 2-15%       | 45-55%      |
| <b>Rated Power</b>                      | B Taper: AC500V0.5W; Other Taper: AC250V0.25 W                   |             |             |             |             |
| <b>Residual Resistance</b>              | R ≥ 250KΩ 0.1%<br>250KΩ > R > 10KΩ 10Ω Max.<br>10KΩ ≥ R 10Ω Max. |             |             |             |             |
| <b>Noise</b>                            | 47 mV max.   |             |             |             |             |
| <b>Insulation Resistance</b>            | More than 100MΩ at DC 500V                                       |             |             |             |             |
| <b>Withstand Voltage</b>                | 1 minute at AC 250V  |             |             |             |             |
| <b>Rotational Life</b>                  | 15,000 Cycles.   |             |             |             |             |

**Mechanical Characteristics**

|                               |   |
|-------------------------------|---|
| <b>Total Rotational Angle</b> | 300° ± 10°  |
| <b>Stopper Strength</b>       | 5 kgf.cm max./ 3 sec .  |
| <b>Rotational Torque</b>      | 30 ~ 200gf.cm max.  |
| <b>Push-Pull Strength</b>     | 10 kgf.cm max./3 sec.   |
| <b>Solder Heat</b>            | 300°C, 3s (Only For Hand-Soldering)                                       |
| <b>Remark</b>                 | Shaft: Cast Iron , Aluminum Zinc , Plastic<br>Bushing Material: cast iron |