

**16mm Metal Shaft Rotary Potentiometer****Electrical Characteristic**

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|----------------------------------|---------------------------------------|--------|--------------------------------|-------|--------|
| Total Resistance | 500Ω ~ 2MΩ | | | | |
| Total Resistance Tolerance | ± 20% (More than 1MΩ± 30%) | | | | |
| Resistance Taper | A. B. C. D. W. Taper | | | | |
| Resistance Taper Characteristics | A50% | B50% | C50% | D50% | W50% |
| | 15-25% | 40-60% | 75-85% | 2-15% | 45-55% |
| Rated Power | B Taper: 0.2 W; Other Tapers: 0.1 W | | | | |
| Max. Operating Voltage | B Taper: AC200V; Other Tapers: AC150V | | | | |
| Residual Resistance | R ≥ 250KΩ 0.1% | | | | |
| | 250KΩ > R > 10KΩ | | 10Ω Max. (between Term. 1, 2) | | |
| | 10KΩ ≥ R | | 10Ω Max. (between Term. 2, 3) | | |
| Noise | 47 mV max. | | | | |
| Insulation Resistance | DC 500V 100MΩ | | | | |
| Withstand Voltage | 1 minute AC 500V | | | | |
| Rotational Life | 15,000 Cycles | | | | |
| Switch Life | 10,000 Cycles | | | | |

Mechanical Characteristics

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|------------------------|-------------------------------------|
| Total Rotational Angle | 300° ± 5° |
| Rotational Torque | 30~200gf.cm |
| Pull-Push Strength | 7 kgf.cm max./3 minute. |
| Center Click Torque | 150~350g.cm |
| Click Position | Center 11/21/31/41 Detents |
| Solder Heat Resistance | 300°C ,3s (Only For Hand-Soldering) |
| Remark | Shaft: Cast Iron (Aluminum Zinc) |
| | Bushing Material: cast iron |