PTB Series - Low Profile Slide Potentiometer

Features
- Carbon element
- Metal housing
- 45-100 mm travel
- Single and dual gang
- Dust cover option
- RoHS compliant*

Electrical Characteristics
Taper.......................... Linear, audio
Standard Resistance Range .......................... 5K ohms to 200K ohms
Standard Resistance Tolerance.....±20 %
Residual Resistance .......................... 500 ohms or 1 % max.
Insulation Resistance ......... Min. 100 megohms at 250 V DC

Environmental Characteristics
Operating Temperature .................................. -10 °C to +60 °C

Power Rating, Linear
45 mm ........ 0.125 W (0.06 W Dual Gang)
60 mm ................. 0.25 W (0.125 W)
100 mm ................. 0.5 W (0.5 W)

Power Rating, Audio
45 mm ..0.025 W (0.015 W Dual Gang)
60 mm ................. 0.25 W (0.125 W)
100 mm ................. 0.25 W (0.25 W)

Maximum Operating Voltage - Linear
45 mm ....350 VDC
60-100 mm ................. 500 VDC

Maximum Operating Voltage - Audio
45 mm .......... 250 VDC
60-100 mm Travel ............ 350 VDC

Withstand Voltage, Audio
............................... 1 Min. at 500 V AC
Tracking Error........... 3 dB at 50 % of travel

Mechanical Characteristics
Operating Force .......... 10 to 100 g-cm
Stop Strength .................. 5 kg-cm min.
Sliding Life .............. 15,000 cycles
Soldering Condition ......... 300°C max. within 3 seconds

Derating Curve

Ambient Temperature (°C)
Rating Power Ratio (%)

Specifications are subject to change without notice.

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36 State Route 10, STE 6 • East Hanover, NJ 07936-0436
973-887-2550 • Toll Free 1-800-631-8083 • Fax 973-887-1940
http://www.potentiometers.com

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Specifications are subject to change without notice. The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

For more information about this product, visit our website at: www.potentiometers.com