Features
- Carbon element
- Red, orange, green, amber and white LED colors
- Center detent option
- Assortment of resistance tapers
- Various travel lengths
- Various lever sizes

PTL Series Slide Potentiometer w/LED

Electrical Characteristics

Standard Resistance Range
..........................................1K ohms to 1 megohm

Standard Resistance Tolerance....±20 %

End Resistance
20 mm Travel............. 10 ohms max.
30 mm Travel.............. 10 ohms max.
45 mm Travel.............. 20 ohms max.
60 mm Travel.............. 20 ohms max.
100 mm Travel.......... 30 ohms max.

Insulation Resistance @ 250 VDC
........................................100 megohms min.

Dielectric Withstanding Voltage
........................................300 VAC

Standard Taper........... Linear, Audio

Power Rating - Linear
20 mm Travel ........... 0.05 watt
30 mm Travel ........... 0.1 watt
45 mm Travel ........... 0.125 watt
60 mm Travel ........... 0.2 watt
100 mm Travel ......... 0.2 watt

Power Rating - Audio
20 mm Travel ........... 0.025 watt
30 mm Travel ........... 0.05 watt
45 mm Travel ........... 0.06 watt
60 mm Travel ........... 0.1 watt
100 mm Travel ......... 0.1 watt

Slider Noise ............. 200 mV max.

Environmental Characteristics

Operational Life...........15,000 cycles

TR Shift.................. ±15 %

Operating Temperature Range
..................................-10 °C to +55 °C

Resistance to Solder Heat........±5 %

Moisture Sensitivity Level........1

ESD Classification (HBM)........... N/A

Mechanical Characteristics

Mechanical Travel........Length ±0.5 mm

Operating Force...........30 gf to 250 gf

Center Detent Force......20 gf to 200 gf

Stop Strength.................5 kgf min.

Shaft Axial Force ..........5 kgf min.

Shaft Wobble...2(2 x L/20) mm p-p max.

Soldering Condition
Manual..................300 °C ±5 °C for 3 sec.

Wave..................260 °C ±5 °C for 5 sec.

Wash..................Not recommended

WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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Users should verify actual device performance in their specific applications.

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Applications
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

PTL Series Slide Potentiometer w/LED

Product Dimensions

30 mm Length of Travel

45 mm Length of Travel

Mounting Hole Detail

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PTL Series Slide Potentiometer w/LED

Tapers

A Series Tapers

B Series Tapers

C Series Tapers

Circuit

B (+)

E (-)

L = DUMMY TERMINAL

How To Order

PTL 30 - 10 R 0 - 103 B2

Model Number
PTL = Slide Potentiometer w/LED

Length of Travel
20 = 20 mm
30 = 30 mm
45 = 45 mm
60 = 60 mm
01 = 100 mm

Lever Length
10 = 10 mm
15 = 15 mm
19 = 19 mm

LED Color
R = Red
A = Amber
O = Orange
W = White
G = Green

Detent Option
0 = No Detent
1 = Center Detent

Resistance Code
(See Standard Resistance Table)

Resistance Taper (See Taper Charts)
Taper Series followed by Curve Number

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<tr>
<th>Emitter Color</th>
<th>Item</th>
<th>Symbol</th>
<th>Test Conditions</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
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