Commercial Linear Motion Carbon Composition Slide Potentiometer

Features
- 1 1/4" (31.7mm) travel
- 1/4 watt power rating
- Choice of resistance tapers
- Economical
- Wide resistance range
- Choice of mounting styles
- RoHS compliant

Electrical and Mechanical Specifications

Resistance Range
200 ohms through 5 Megohms, linear
Consult CTS for audio taper

Resistance Tolerance
±30%, ±20%, ±10%

Power Rating, Watts
1/4 watt @ 55°C derated to no load @ 85°C,
linear taper, control mounted on steel panel
4" x 4" x .050" (101.6mm x 101.6mm x 1.27mm).

Voltage Rating
Across end terminals:
Linear curves — 500 VDC
Tapered curves — 350 VDC
(Not to exceed wattage ratings)
Between case and end terminals:
1080 VAC RMS

Resistance Tapers
Standard: Linear
Special: Available upon request

Operating Temperature
0°C to +70°C

Actuator Travel
1 1/4 inches (31.7mm)

Potentiometer Life
10,000 cycles

Actuator Information
See illustrations, page 2.

Operating Force
Either direction 1 to 9 oz. (28 to 256 g )
Measured .250" (6.35mm) from base of actuator

Stop Strength
Maximum — 35 lbs. (15.9 kg) measured
at base of actuator

Terminal Information
Straight, vertical or snap-in to printed circuit board,
wirewrap or solder lug styles.

Mounting Information
Top, bottom, side twist tab or no twist tab mounting —
refer to illustrations, page 2.
### Ordering Information

**CTS Series 442**

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**ACTUATOR LENGTH**

- 2 – .250” (6.35mm)
- 3 – .375” (9.53mm)
- 4 – .500” (12.7mm)
- 6 – .750” (19.1mm)
- 8 – 1.000” (25.4mm)
- R – 218” (5.54mm)
- S – .313” (7.98mm)
- T – .438” (11.13mm)

**TERMINAL STYLE**

- T – SOLDER LUG
- X – STRAIGHT P.C.
- W – WIREFRAP
- H – HOOK TYPE, SNAP-IN
- U – VERTICAL P.C.

**RESISTANCE CODE EXAMPLES**

- CODE 501 RESISTANCE 500 OHMS
- 102 1K
- 252 2.5K
- 502 5K
- 103 10K
- 253 25K
- 104 100K
- 105 1MEG

**TAPER**

- D – LINEAR
  - A – CW 10% AUD
  - B – CCW 10% AUD

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**Note:**

Consult CTS for other common features not listed.

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