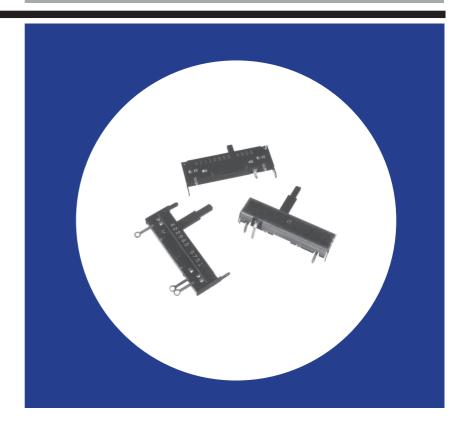


# Series 442 Data Sheet Slide Potentiometer

# Commercial Linear Motion Carbon Composition Slide Potentiometer

#### **Features**

- 11/4" (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<sup>1</sup>/<sub>4</sub> 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**

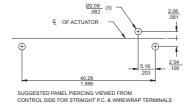
Straight, vertical or snap-in to printed circuit board, wirewrap or solder lug styles.

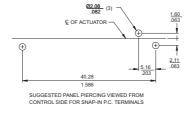
#### **Mounting Information**

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

# CTS Series 442 52.10 2.051 3.56±0.13 .140±.005 9.53±0.20 .375±.008 NO MOUNT CONSTRUCTION HOOK TYPE, SNAP-IN ("H" style) BOTTOM MOUNTING 13.41±0.25 .528±.010 5.54±0.13 VERTICAL P.C.("U" style) SIDE MOUNTII SUGGESTED PANEL PIERCING VIEWED FROM TOP SIDE FOR TWIST TABS

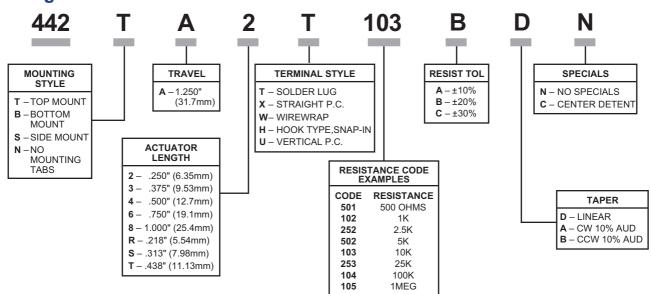






DIMENSION:  $\frac{mm}{INCH}$ 

## **Ordering Information**



Consult CTS for other common features not listed.